



Figure 8.--Number of lakes by county having water-level records for water-year 2002.

STREAMS TRIBUTARY TO LAKE MICHIGAN

475

04100030 ADAMS LAKE NEAR WOLCOTTVILLE, IN

LOCATION.--Lat 41°33'15", long 86°19'11", in NE¹/₄NE¹/₄NW¹/₄ sec.25, T.36 N., R.10 E., Lagrange County, Hydrologic Unit 04050001 (WOLCOTTVILLE, IN quadrangle). The gage is on the east side of the lake on a dredged inlet, at the public access site, and 3.1 mi northeast of Wolcottville.

SURFACE AREA.--308 acres.

DRAINAGE AREA.--5.62 mi².

PERIOD OF RECORD.--1946 to October 1, 2002 (discontinued).

DATUM OF GAGE.--949.90 ft above National Geodetic Vertical Datum of 1929, as corrected on the basis of levels of the Indiana Department of Natural Resources, 1976.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to the southwest wall of the dam on the outlet channel about 500 ft downstream from the lake.

ESTABLISHED LEGAL LEVEL.--3.59 ft gage datum or 953.49 ft above National Geodetic Vertical Datum of 1929 as decreed on December 17, 1949, by the Lagrange County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 3.59 ft gage datum or 953.49 ft above National Geodetic Vertical Datum of 1929.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with a fixed crest "V" notch weir.

INLET AND OUTLET.--One inlet enters on the east side from Blackman Lake 2.3 mi upstream. The other inlet enters on the northeastern shore from Eve Lake. The outlet flows from the lake on the southern shore and into Little Elkhart Creek 1.7 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 5.32 ft June 15, 1981; minimum stage, 2.12 ft Jan. 8, 1954.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.35	3.91	3.94	4.10	4.32	4.19	4.49	4.26	4.36	3.76	3.61	3.25
10	3.30	3.86	3.92	3.94	4.25	4.34	4.60	4.30	4.29	3.70	3.49	3.20
15	3.64	3.84	3.98	3.92	4.16	4.34	4.66	4.88	4.16	3.60	3.45	3.10
20	3.78	3.82	4.12	3.91	4.17	4.28	4.57	4.71	4.04	3.61	3.42	3.17
25	3.93	3.82	4.10	3.87	4.15	4.24	4.44	4.52	3.97	3.52	3.42	3.09
EOM	3.90	3.92	4.10	4.12	4.18	4.29	4.36	4.38	3.87	3.69	3.32	3.09

WTR YR 2002 MEAN 3.95 MAX 4.90 MIN 3.08

STREAMS TRIBUTARY TO LAKE ERIE

04177680 BALL LAKE NEAR HAMILTON, IN

LOCATION.--Lat 41°32'12", long 84°56'18", in SE¹/₄SW¹/₄NE¹/₄ sec.32, T.36 N., R.14 E., Steuben County, Hydrologic Unit 04100003 (HAMILTON, IN quadrangle). The gage is on the northeastern shore of the lake, south of the bridge over the outlet, and 1.3 mi west of Hamilton.

SURFACE AREA.--87 acres.

DRAINAGE AREA.--11.6 mi².

PERIOD OF RECORD.--1961 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--889.81 ft above National Geodetic Vertical Datum of 1929, as corrected on the basis of levels of the Indiana Department of Natural Resources in February 1972.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is driven into the lake bed near the recording gage and a high-water staff gage is attached to the control dam.

ESTABLISHED LEGAL LEVEL.--4.95 ft gage datum or 894.76 ft above National Geodetic Vertical Datum of 1929 as decreed on September 20, 1974, by the Steuben County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete sill with movable boards.

INLET AND OUTLET.--Fish Creek flows through the lake, entering at the western end and leaving at the northeastern end. Fish Creek empties into the St. Joseph River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 10.02 ft Dec. 26, 1965; minimum stage, 3.96 ft Oct. 19-31, Nov. 1-12, 1978.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.78	4.75	4.78	4.77	4.95	4.88	4.94	4.78	4.78	4.67	4.66	4.65
10	4.73	4.74	4.74	4.72	4.79	5.08	5.07	4.83	4.71	4.74	4.65	4.66
15	4.99	4.74	5.01	4.73	4.77	4.82	4.90	5.19	4.70	4.67	4.67	4.66
20	4.84	4.74	4.87	4.72	4.82	4.77	4.85	---	4.68	4.67	4.67	4.75
25	5.02	4.80	4.77	4.73	4.78	4.77	4.80	4.81	4.71	4.66	4.67	4.66
EOM	4.78	5.22	4.77	5.49	4.75	5.08	4.81	4.74	4.69	4.69	4.65	4.70

ILLINOIS RIVER BASIN

05517200 BASS LAKE AT BASS LAKE, IN

LOCATION.--Lat 41°12'28", long 86°36'07", in NW¹/₄NW¹/₄SW¹/₄ sec.24, T.32 N., R.2 W., Starke County, Hydrologic Unit 07120001 (BASS LAKE, IN quadrangle). The gage is on the southern shore of the lake, just north of the junction of U.S. Highway 35 and State Highway 10, at the town of Bass Lake.

SURFACE AREA.--1,400 acres.

DRAINAGE AREA.--5.18 mi².

PERIOD OF RECORD.--1943 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--699.83 ft above National Geodetic Vertical Datum of 1929, as corrected from the unadjusted elevations.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage in two sections is at the site.

ESTABLISHED LEGAL LEVEL.--13.65 ft gage datum or 713.65 ft above National Geodetic Vertical Datum of 1929 as decreed on August 10, 1948, by the Starke County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 13.65 ft gage datum or 713.48 ft above National Geodetic Vertical Datum of 1929.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a steel sheet piling dam.

INLET AND OUTLET.--Several small unnamed ditches enter the lake at various locations. The outlet flows from the western shore, into Cedar Lake Ditch, and eventually into the Kankakee River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 15.03 ft June 18, 1981; minimum stage, 10.52 ft Nov. 12, 13, 1964.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.04	13.45	13.47	13.49	13.66	13.83	14.09	14.07	14.07	13.81	13.57	13.19
10	12.95	13.42	13.43	13.48	13.70	13.89	14.15	14.08	14.03	13.75	13.44	13.15
15	13.29	13.39	13.50	13.47	13.62	13.94	14.14	14.21	13.93	13.61	13.36	13.08
20	13.32	13.36	13.54	13.45	13.72	13.89	14.12	14.18	13.86	13.54	13.44	13.11
25	13.44	13.38	13.53	13.43	13.78	13.91	14.06	14.10	13.97	13.55	13.39	13.02
EOM	13.41	13.45	13.50	13.67	13.77	13.99	14.09	14.06	13.89	13.60	13.27	12.95

WTR YR 2002 MEAN 13.63 MAX 14.31 MIN 12.94

STREAMS TRIBUTARY TO LAKE MICHIGAN

04100260 BEAR LAKE NEAR WOLFLAKE, IN

LOCATION.--Lat 41°19'07", long 85°30'49", in SW¹/₄NW¹/₄ sec.17, T.33 N., R.9 E., Noble County, Hydrologic Unit 04050001 (ORMAS, IN quadrangle). The gage is on the southern shore of the lake on a dredged channel, at the end of the gravel lane to the Merry Lea Nature Center, 1.1 mi southwest of the town of Wolflake.

SURFACE AREA.--136 acres.

DRAINAGE AREA.--6.98 mi².

PERIOD OF RECORD.--1943 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--889.90 ft above National Geodetic Vertical Datum of 1929, as corrected on the basis of levels of the Indiana Department of Natural Resources, 1974-75.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well on the west side of the dredged channel.

ESTABLISHED LEGAL LEVEL.--4.60 ft gage datum or 894.60 ft above National Geodetic Vertical Datum of 1929 as decreed on September 23, 1959, by the Noble County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 4.60 ft gage datum or 894.50 ft above National Geodetic Vertical Datum of 1929.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a steel sheet piling dam.

INLET AND OUTLET.--There are two inlets to the lake, one enters on the southwest shore from High Lake, 0.6 mi upstream, and the other enters from the northeast. The outlet, Carrol Creek, leaves the lake on the southeast tip, flows into Muncie Lake, 3.1 mi downstream, and eventually into the Elkhart River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 8.25 ft Dec. 30, 1942 (before dredging of the outlet channel). Maximum stage, 6.61 ft Apr. 12, 1944 (after dredging); minimum stage, 2.90 ft Oct. 31, Nov. 1-3, 7-17, 1952, Oct. 22-24, 29-31, Nov. 1-3, 6, 7, 1966.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.18	4.50	4.59	4.28	4.62	4.38	4.67	4.47	4.53	4.05	3.78	3.80
10	4.25	4.39	4.44	4.24	4.43	4.61	4.73	4.56	4.43	4.01	3.68	3.72
15	5.02	4.35	4.54	4.24	4.32	4.49	4.82	4.93	4.33	3.88	3.70	3.65
20	4.80	4.35	4.67	4.23	4.36	4.40	4.72	4.69	4.29	3.81	3.83	3.75
25	4.85	4.59	4.51	4.23	4.33	4.37	4.61	4.53	4.23	3.77	3.90	3.71
EOM	4.56	4.79	4.30	4.65	4.33	4.57	4.57	4.55	4.17	3.86	3.86	3.71

WTR YR 2002 MEAN 4.32 MAX 5.07 MIN 3.61

WABASH RIVER BASIN

477

03331010 BIG CHAPMAN LAKE NEAR WARSAW, IN

LOCATION.--Lat 41°16'53", long 85°46'47", in NW¹/₄SE¹/₄SW¹/₄ sec.25, T.33 N., R.6 E., Kosciusko County, Hydrologic Unit 05120106 (LEESBURG, IN quadrangle). The gage is on the southeastern shore of the lake, at the public access site, 4.9 mi northeast of Warsaw.

SURFACE AREA.--581 acres.

DRAINAGE AREA.--4.17 mi².

PERIOD OF RECORD.--1945-68, 1971, 1976 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--820.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder and an electric tape gage (ETG) are installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--7.75 ft gage datum or 827.75 ft above National Geodetic Vertical Datum of 1929 as established on October 18, 1949, by the Kosciusko County Circuit Court. Little Chapman Lake has the same control structure and established level and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with a fixed crest at the outlet channel downstream from Little Chapman Lake.

INLET AND OUTLET.--Several small ditches enter the lake at various points. The outlet flows into Little Chapman Lake to the south, then into Deeds Creek, and eventually into the Tippecanoe River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 9.37 ft Oct. 11, 1954; minimum stage, 6.75 ft Oct. 20, 1953.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.70	7.89	7.94	7.61	8.01	7.92	7.92	7.58	7.58	7.33	7.34	7.16
10	7.66	7.83	7.94	7.58	7.93	8.00	8.01	7.68	7.51	7.32	7.24	7.15
15	8.12	7.67	8.09	7.60	7.88	7.87	7.94	7.93	7.51	7.23	7.22	7.08
20	8.00	7.70	8.16	7.63	8.00	7.76	7.81	7.76	7.47	---	7.28	7.22
25	7.96	7.76	8.08	7.70	7.94	7.73	7.65	7.68	7.52	7.28	7.30	7.14
EOM	7.77	7.95	7.75	8.24	7.96	7.85	7.64	7.57	7.42	7.36	7.22	7.12

WABASH RIVER BASIN

03330040 BIG LAKE NEAR WOLFLAKE, IN

LOCATION.--Lat 41°16'33", long 85°30'43", in NW¹/₄SE¹/₄NW¹/₄ sec.32, T.33 N., R.9 E., Noble County, Hydrologic Unit 05120106 (ORMAS, IN quadrangle). The gage is at the head of the outlet channel, approximately 20 feet north of the control structure and 4 mi southwest of the town of Wolflake.

SURFACE AREA.--228 acres.

DRAINAGE AREA.--8.89 mi².

PERIOD OF RECORD.--1943-74, 1978 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--890.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--8.40 ft gage datum or 898.40 ft above National Geodetic Vertical Datum of 1929 as decreed on July 18, 1956, by the Noble County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a steel sheet piling dam with a fixed crest.

INLET AND OUTLET.--The main inlet enters from Crooked Lake to the east. Three other inlets flow from Crane Lake to the east, Green Lake to the north, and Sell Brook to the south. The outlet leaves the lake at the extreme west end and forms the headwaters of the Tippecanoe River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 12.76 ft Apr. 4, 1950; minimum stage, 7.11 ft Sept. 26, 27, 1999.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.11	8.29	8.36	8.23	8.47	8.36	8.50	8.27	8.24	8.02	7.85	7.67
10	8.18	8.28	8.25	8.23	8.30	8.60	8.60	8.40	8.18	8.01	7.74	7.61
15	9.05	8.23	8.48	8.23	8.22	8.38	8.52	8.69	8.14	7.92	7.80	7.53
20	8.46	8.18	8.52	8.23	8.29	8.27	8.44	8.35	8.12	7.87	7.83	7.62
25	8.79	8.28	8.30	8.24	8.28	8.28	8.34	8.24	8.10	7.81	7.83	7.55
EOM	8.32	8.55	8.23	8.66	8.25	8.61	8.37	8.23	8.08	7.91	7.74	7.57

WTR YR 2002 MEAN 8.20 MAX 9.06 MIN 7.50

STREAMS TRIBUTARY TO LAKE MICHIGAN

04099600 BIG LONG LAKE NEAR STROH, IN

LOCATION.--Lat 41°33'17", long 85°13'47", in NE¹/₄NW¹/₄NW¹/₄ sec.26, T.36 N., R.11 E., Lagrange County, Hydrologic Unit 04050001 (STROH, IN quadrangle). The gage is on the northeast shore near the east end of the Shady Nook Addition in the vicinity of the Shady Nook Tavern, 2.4 mi southwest of Stroh.

SURFACE AREA.--388 acres.

DRAINAGE AREA.-- 4.77 mi².

PERIOD OF RECORD.--1954 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--950.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--6.21 ft gage datum or 956.21 ft above National Geodetic Vertical Datum of 1929 as decreed on July 22, 1965, by the Lagrange County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with a fixed sill and removable boards.

INLET AND OUTLET.--The one inlet is a small ditch that enters at the extreme western tip. The outlet flows from the extreme northern tip, northeastward to Mud and Little Turkey Lakes, thence to Turkey Creek.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 7.49 ft Mar. 31, 1978; minimum stage, 4.58 ft Nov. 27, 1964.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.59	6.28	6.45	6.34	6.57	6.51	6.47	6.25	6.33	6.01	5.76	5.36
10	5.54	6.26	6.44	6.31	6.48	6.54	6.50	6.33	6.28	6.00	5.64	5.30
15	5.92	6.26	6.53	6.30	6.42	6.40	6.47	6.57	6.23	5.90	5.59	5.21
20	6.10	6.25	6.59	6.29	6.47	6.31	6.39	6.39	6.18	5.83	5.55	5.31
25	6.24	6.28	6.49	6.29	6.51	6.29	6.31	6.31	6.17	5.74	5.53	5.22
EOM	6.25	6.41	6.40	6.61	6.51	6.37	6.28	6.25	6.10	5.82	5.44	5.23

WTR YR 2002 MEAN 6.14 MAX 6.73 MIN 5.19

STREAMS TRIBUTARY TO LAKE MICHIGAN

04100140 BIXLER LAKE AT KENDALLVILLE, IN

LOCATION.--Lat 41°26'13", long 85°15'10", in NE¹/₄NE¹/₄NE¹/₄ sec.4, T.34 N., R.11 E., Noble County, Hydrologic Unit 04050001 (KENDALLVILLE, IN quadrangle). The gage is on the south bank of the outlet channel on the southwest shore of the lake and 0.7 mi southeast of City Hall in Kendallville.

SURFACE AREA.--120 acres.

DRAINAGE AREA.--5.28 mi².

PERIOD OF RECORD.--1946 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--960.10 ft above National Geodetic Vertical Datum of 1929, as corrected on the basis of levels of the Indiana Department of Natural Resources, 1974-75.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is bolted to a concrete pier 20 ft upstream from the control dam.

ESTABLISHED LEGAL LEVEL.--3.65 ft gage datum or 963.65 ft above National Geodetic Vertical Datum of 1929 as decreed on April 25, 1952, by the Noble County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 3.65 ft gage datum or 963.75 ft above National Geodetic Vertical Datum of 1929.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a fixed deep-notch concrete dam with two flood gates.

INLET AND OUTLET.--Riddle Ditch enters the lake from the north, Sherman Ditch from the east, Shaffer Ditch from the southeast, and an unnamed ditch from the southwest. The outlet leaves at the southwest corner and flows into Henderson Lake 1.9 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 6.26 ft Feb. 24, 1985; minimum stage, 1.24 ft Jan. 13-15, 18, 1954.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.60	3.58	3.95	3.97	4.61	4.29	4.49	3.75	3.68	3.88	3.44	3.49
10	3.63	3.49	3.93	3.93	4.40	4.68	4.36	4.01	3.68	3.83	3.25	3.43
15	4.51	3.43	4.29	3.92	4.27	4.43	3.96	4.40	3.59	3.67	3.27	3.26
20	4.30	3.33	4.51	3.86	4.24	4.29	3.42	3.64	3.53	3.59	3.34	3.26
25	4.34	3.36	4.31	3.85	4.22	4.21	3.34	3.48	3.92	3.47	3.72	3.19
EOM	3.68	3.87	4.09	4.59	4.18	4.64	3.60	3.57	4.04	3.50	3.61	3.17

WTR YR 2002 MEAN 3.86 MAX 4.96 MIN 3.16

03327600 BLUE LAKE NEAR CHURUBUSCO, IN

LOCATION.--Lat 41°14'14", long 85°21'35", in SW¹/₄SE¹/₄SW¹/₄ sec.10, T.32 N., R.10 E., Whitley County, Hydrologic Unit 05120104 (CHURUBUSCO, IN quadrangle). The gage is located at the public access site, on the south side of the lake, west of the boat ramp, approximately 2.3 mi west of Churubusco.

SURFACE AREA.--239 acres.

DRAINAGE AREA.--3.58 mi².

PERIOD OF RECORD.--1946-68, 1976 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--840.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 24-in diameter stilling well. An auxiliary staff gage is located 145 ft east of gage.

ESTABLISHED LEGAL LEVEL.--10.28 ft gage datum or 850.28 ft above National Geodetic Vertical Datum of 1929 as decreed on July 23, 1948, by the Whitley County Circuit Court.

LAKE-LEVEL CONTROL.--A concrete dam with a fixed crest is located in the outlet channel about 300 ft downstream from the lake.

INLET AND OUTLET.--Maloney Ditch enters at the eastern tip of the lake. The outlet flows from the lake at the northwest end and joins Carter Creek (Blue River) 0.2 mi downstream. Carter Creek eventually flows into Eel River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 15.80 ft Dec. 10, 1966; minimum stage, 7.64 ft Nov. 19, 20, 1952.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.44	10.71	11.40	---	---	---	10.95	10.75	11.14	10.88	10.66	10.32
10	10.48	10.72	11.37	---	---	11.43	11.00	10.95	11.11	10.80	10.53	10.26
15	11.29	10.74	11.21	---	---	11.02	10.85	11.34	11.11	10.70	10.51	10.19
20	11.21	10.76	---	---	---	10.75	10.70	11.07	11.06	10.69	10.53	10.35
25	11.43	10.86	---	---	---	10.76	10.60	11.06	11.02	10.60	10.50	10.27
EOM	10.91	11.37	---	---	---	10.99	10.68	11.06	10.98	10.74	10.39	10.30

STREAMS TRIBUTARY TO LAKE MICHIGAN

04099250 BOWER LAKE NEAR PLEASANT LAKE, IN

LOCATION.--Lat 41°36'03", long 85°03'24", in SW¹/₄SW¹/₄SE¹/₄ sec.5, T.36 N., R.13 E., Steuben County, Hydrologic Unit 04050001 (ASHLEY, IN quadrangle). The gage is located at the public access site on the northwestern edge of the lake, 3.9 mi southwest of Angola.

SURFACE AREA.--25 acres.

DRAINAGE AREA.--84.6 mi².

PERIOD OF RECORD.--1946-1970, 1977 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--940.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary wire-weight gage is attached to the bridge over the outlet.

ESTABLISHED LEGAL LEVEL.--8.50 ft gage datum or 948.50 ft above National Geodetic Vertical Datum of 1929, as decreed on October 28, 1959, by Steuben County Circuit Court. Golden Lake near Pleasant Lake has the same established level and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--The lake level is controlled by the outlet channel or the outlet of Golden Lake.

INLET AND OUTLET.--Pigeon Creek flows through the lake, entering at the southern shore and leaving at the western end to flow into Golden Lake and eventually into the St. Joseph River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 17.13 ft Mar. 22, 1982; minimum stage, 7.88 ft Sept. 14, 15, 1964.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.32	9.55	9.94	8.88	11.84	9.99	11.67	9.42	9.82	8.70	8.42	8.17
10	8.39	9.19	9.28	8.81	10.35	11.12	11.67	9.63	9.66	8.80	8.30	8.15
15	10.84	8.98	9.77	8.82	9.80	10.57	11.34	13.62	9.36	8.62	8.42	8.11
20	11.56	8.84	10.65	8.76	9.52	9.74	10.43	12.04	9.10	8.56	8.40	8.29
25	10.82	8.98	9.72	8.79	9.57	9.38	9.98	10.46	9.09	8.47	8.32	8.21
EOM	10.06	9.88	9.12	10.40	9.42	10.40	9.68	9.72	8.86	8.51	8.23	8.25

WTR YR 2002 MEAN 9.52 MAX 13.62 MIN 8.11

STREAMS TRIBUTARY TO LAKE MICHIGAN

04099810 CASS LAKE NEAR SHIPSEWANA, IN

LOCATION.--Lat 41°41'42", long 85°38'18", in SW¹/₄NW¹/₄NW¹/₄ sec.5, T.37 N, R.8 E., Lagrange County, Hydrologic Unit 04050001 (MIDDLEBURY, IN quadrangle). The gage is on the northeast shore of the lake, at the beach area in the Foxwood Hills Addition, and 3.3 mi northwest of Shipshewana.

SURFACE AREA.--89 acres.

DRAINAGE AREA.--0.68 mi².

PERIOD OF RECORD.--1971 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--840.95 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--Not established.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by the outlet channel.

INLET AND OUTLET.--A small unnamed ditch enters on the northwestern shore. The outlet leaves the lake at the southwest and flows into Mather Ditch 1.0 mi downstream. Mather Ditch eventually empties into the Little Elkhart River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 3.89 ft June 14, 1993; minimum stage, 1.80 ft May 15, 1971.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.88	3.11	3.11	3.04	3.17	3.13	3.19	3.10	3.21	2.89	2.84	2.67
10	2.85	3.05	3.08	3.03	3.15	3.19	3.22	3.18	3.16	2.88	2.77	2.65
15	3.09	3.04	3.15	3.03	3.11	3.17	3.17	3.26	3.12	2.80	2.76	2.62
20	3.11	3.02	3.15	3.01	3.15	3.14	3.18	3.19	3.08	2.78	2.77	2.68
25	3.14	3.03	3.12	3.01	3.15	3.13	3.12	3.15	3.07	2.81	2.77	2.65
EOM	3.10	3.14	3.05	3.28	3.14	3.15	3.13	3.17	2.99	2.84	2.71	2.64
WTR YR 2002	MEAN	3.02	MAX 3.42	MIN 2.62								

ILLINOIS RIVER BASIN

05518700 CEDAR LAKE AT CEDAR LAKE, IN

LOCATION.--Lat 41°21'58", long 87°25'36", in NE¹/₄SW¹/₄ sec.26, T.34 N., R.9 W., Lake County, Hydrologic Unit 07120001 (LOWELL, IN quadrangle). The gage is on the south bank of outlet channel on the east shore of the lake, upstream from the first bridge over the outlet, and 0.5 mi east of the town of Cedar Lake.

SURFACE AREA.--781 acres.

DRAINAGE AREA.--8.14 mi².

PERIOD OF RECORD.--1943 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--690.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 24-inch diameter stilling well. An auxiliary staff gage is driven into the channel bed.

ESTABLISHED LEGAL LEVEL.--Not established.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a fixed-crest concrete dam.

INLET AND OUTLET.--Several small ditches enter the lake at various points. The outlet, Cedar Creek, flows from the lake on the eastern shore of the center lobe, into Dalecarlia Lake, 1.5 mi downstream, and eventually into the Kankakee River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 4.30 ft May 15, 1970; minimum stage not determined, below 1.22 ft during July, Aug., Sept., Oct. 1988, and Sept. 1991.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

[illegible]

03331160 CENTER LAKE AT WARSAW, IN

LOCATION.--Lat 41°15'02", long 85°51'32", in NE¹/₄SW¹/₄ sec.5, T.32 N., R.6 E., Kosciusko County, Hydrologic Unit 05120106 (LEESBURG, IN quadrangle). The gage is on the northwestern side of the lake, mounted on a sea wall behind the house at 300 Gilliam Drive, 0.8 mi north of the court house, Warsaw.

SURFACE AREA.--120 acres.

DRAINAGE AREA.--0.73 mi².

PERIOD OF RECORD.--1943-1968, 1971 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--800.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to the control dam at the outlet.

ESTABLISHED LEGAL LEVEL.--3.86 ft gage datum or 803.86 ft above National Geodetic Vertical Datum of 1929 as decreed on December 3, 1963, by the Kosciusko County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam at the western end of the lake.

INLET AND OUTLET.--The one inlet flows through a 24-inch diameter tile from Pike Lake and enters the lake on the southeastern side. The outlet flows from the western shore and joins Walnut Creek 0.65 mi downstream, which in turn flows into the Tippecanoe River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 7.24 ft Oct. 15, 1954; minimum stage, 0.17 ft Oct. 4, 1955.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.60	6.16	5.20	5.65	5.96	5.12	5.66	5.22	5.07	4.53	---	4.18
10	4.62	5.53	5.12	5.08	5.70	5.36	6.04	5.09	4.88	4.38	---	4.15
15	5.54	5.22	5.31	4.96	5.39	5.54	6.33	6.29	4.88	4.27	4.29	4.09
20	6.32	5.00	5.81	4.92	5.30	5.29	5.95	6.46	4.82	4.25	4.38	4.20
25	7.01	4.91	5.66	4.78	5.21	5.06	5.64	5.94	4.64	---	4.34	4.16
EOM	6.69	5.04	5.66	5.28	5.12	5.14	5.52	5.37	4.79	---	4.23	4.16

STREAMS TRIBUTARY TO LAKE ERIE

04177200 CLEAR LAKE AT CLEAR LAKE, IN

LOCATION.--Lat 41°44'52", long 84°50'25", in SW¹/₄SW¹/₄ sec.17, T.38 N., R.15 E., Steuben County, Hydrologic Unit 04100003 (CLEAR LAKE, IN-OH-MI quadrangle). The gage is on the northern shore of the lake, at the channel between Clear and Round Lakes, and 4.75 mi northeast of Fremont.

SURFACE AREA.--800 acres.

DRAINAGE AREA.--6.86 mi².

PERIOD OF RECORD.--1943 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--1030.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in a wooden shelter over a 24-inch stilling well. An auxiliary staff gage is attached to the north end of the upstream culvert.

ESTABLISHED LEGAL LEVEL.--7.38 ft gage datum or 1037.38 ft above National Geodetic Vertical Datum of 1929 as decreed on June 1, 1950, by the Steuben County Circuit Court. Round Lake at Clear Lake has the same established level and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a fixed-crest concrete dam with an auxiliary slide gate at the outlet of Round Lake.

INLET AND OUTLET.--Two unnamed ditches enter the lake on the southern shore. The outlet is a short channel connecting Clear and Round Lakes. The outlet of Round Lake flows from the northeast end and eventually into the West Branch of the St. Joseph River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 9.24 ft May 20, 1943 (from high-water mark); maximum recorded stage, 8.58 ft Jan. 5, 1993; minimum stage, 6.24 ft Sept. 30, 1962.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.89	8.03	8.05	7.93	8.23	8.08	8.20	8.04	8.08	7.78	7.61	7.51
10	7.88	7.97	7.99	7.93	8.14	8.20	8.28	8.04	8.02	7.78	7.51	7.47
15	8.19	7.95	8.06	7.94	8.07	8.12	8.31	8.51	7.97	7.70	7.56	7.41
20	8.21	7.93	8.10	7.94	8.10	8.06	8.24	8.32	7.90	7.66	7.60	7.54
25	8.21	7.94	8.04	7.95	8.06	8.02	8.08	8.16	7.91	7.61	7.64	7.46
EOM	8.09	8.06	7.95	8.31	8.06	8.07	8.06	8.06	7.85	7.66	7.58	7.49

WTR YR 2002 MEAN 7.95 MAX 8.53 MIN 7.38

ILLINOIS RIVER BASIN

05515240 CLEAR LAKE AT LAPORTE, IN

LOCATION.--Lat 41°37'25", long 86°43'11", in NE¹/₄SE¹/₄ sec.26, T.37 N., R.3 W., LaPorte County, Hydrologic Unit 07120001 (LAPORTE EAST, IN quadrangle). The gage is on the northeast shore of the lake, 100 ft south of the entrance to Fox Memorial Park, in LaPorte.

SURFACE AREA.--106 acres.

DRAINAGE AREA.--0.65 mi².

PERIOD OF RECORD.--1942-49, 1952-75, 1979 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--790.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to the north wingwall of the inlet culvert on the west side of the lake.

ESTABLISHED LEGAL LEVEL.--8.20 ft gage datum or 798.20 ft above National Geodetic Vertical Datum of 1929 as decreed on August 31, 1949, by the LaPorte County Circuit Court.

LAKE-LEVEL CONTROL.--During periods of high water, water may be released through the main sewer system of the city of LaPorte and diverted into the Kankakee River.

INLET AND OUTLET.--A small ditch enters on the west shore. There is no outlet during periods of low and medium water levels. When water levels are high, water may flow from the lake into the city sewer system.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 11.36 ft June 6, 1993; minimum stage, 3.98 ft Nov. 27, 1964.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.69	8.28	8.23	8.07	8.19	8.38	8.48	8.59	8.77	8.32	8.02	7.42
10	7.51	8.22	8.14	8.08	8.16	8.51	8.58	8.71	8.69	8.23	7.87	7.37
15	8.06	8.20	8.16	8.05	8.14	8.47	8.55	8.94	8.60	8.10	7.79	7.34
20	8.14	8.18	8.16	8.03	8.22	8.44	8.65	8.92	8.49	7.99	7.76	7.33
25	8.30	8.16	8.15	8.00	8.20	8.42	8.62	8.92	8.56	8.04	7.69	7.32
EOM	8.24	8.23	8.09	8.21	8.23	8.43	8.65	8.86	8.42	7.99	7.48	7.31

WTR YR 2002 MEAN 8.19 MAX 8.99 MIN 7.31

STREAMS TRIBUTARY TO LAKE MICHIGAN

04097850 CROOKED LAKE AT CROOKED LAKE, IN

LOCATION.--Lat 41°40'14", long 85°02'04", in NE¹/₄NW¹/₄ sec.16, T.37 N., R.13 E., Steuben County, Hydrologic Unit 04050001 (ANGOLA WEST, IN quadrangle). The gage is on an inlet channel on the lower eastern shore of the lake, 3.1 mi northwest of Angola.

SURFACE AREA.--828 acres.

DRAINAGE AREA.--10.4 mi².

PERIOD OF RECORD.--1946-70, 1972 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--980.26 ft above National Geodetic Vertical Datum of 1929, as corrected on the basis of levels of Indiana Department of Natural Resources, 1977-78.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is driven into the channel bed between the Second and Third Basins under County Road 400 West.

ESTABLISHED LEGAL LEVEL.--8.17 ft gage datum or 988.17 ft above National Geodetic Vertical Datum of 1929 as decreed on June 17, 1948, by the Steuben County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 8.17 ft gage datum or 988.43 ft above National Geodetic Vertical Datum of 1929.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a fixed-crest dam with an adjustable gate at the western end of the Third Basin.

INLET AND OUTLET.--The principal inlets enter the lake from the south, from Loon and Buck Lakes, and the southeast, from Center Lake. Another ditch enters from the east. The outlet flows from the western end of the Third Basin into Lake Gage 1.4 mi downstream and eventually into the St. Joseph River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 10.30 ft May 19, 1996; minimum stage, 7.05 ft Nov. 13-15, 1964.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.57	8.77	8.66	8.51	8.80	8.66	8.77	8.80	9.15	8.63	8.31	8.13
10	8.55	8.66	8.59	8.47	8.77	8.77	8.87	8.93	9.07	8.58	8.20	8.09
15	8.95	8.61	8.62	8.44	8.70	8.75	8.87	9.42	9.01	8.49	8.18	8.01
20	9.03	8.56	8.69	8.41	8.71	8.67	8.87	9.34	8.91	8.41	8.26	8.08
25	9.05	8.57	8.65	8.39	8.68	8.61	8.78	9.17	8.83	8.32	8.28	8.00
EOM	8.86	8.67	8.56	8.70	8.66	8.62	8.75	9.09	8.74	8.37	8.20	8.01

WTR YR 2002 MEAN 8.64 MAX 9.46 MIN 7.98

04100470 DEWART LAKE NEAR LEESBURG, IN

LOCATION.--Lat 41°22'27", long 85°47'07", in NW¹/₄SW¹/₄NW¹/₄ sec.25, T.34 N., R.6 E., Kosciusko County, Hydrologic Unit 04050001 (LEESBURG, IN quadrangle). The gage is on the west shore of the lake, 0.1 mi east of County Road 300 East at the public access site, and 4.5 mi northeast of Leesburg.

SURFACE AREA.--551 acres.

DRAINAGE AREA.--8.05 mi².

PERIOD OF RECORD.--1945 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--859.897 ft above National Geodetic Vertical Datum of 1929, as corrected on the basis of levels of Indiana Department of Natural Resources, 1973-74.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 24-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--7.70 ft gage datum or 867.70 ft above National Geodetic Vertical Datum of 1929 as decreed on October 18, 1949, by the Kosciusko County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 7.70 ft gage datum or 867.597 ft above National Geodetic Vertical Datum of 1929.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a steel sheet piling dam.

INLET AND OUTLET.--Cable Run enters the lake on the southeastern tip, and an unnamed ditch enters on the eastern shore. The outlet, Hammond Ditch, flows from the lake on the northwestern shore and into Wabash Lake 2.3 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 9.58 ft Aug. 25, 2001; minimum stage, 3.95 ft Dec. 21-24, 1964.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.83	8.99	8.85	8.71	9.07	8.93	9.10	8.97	8.99	8.79	8.42	8.26
10	8.73	8.90	8.80	8.71	8.98	9.08	9.16	9.00	8.92	8.82	---	8.19
15	9.10	8.85	8.89	8.70	8.89	9.05	9.13	9.21	8.91	8.71	8.38	8.12
20	9.09	8.79	8.97	8.67	8.92	8.97	9.13	9.14	8.89	8.65	8.40	8.15
25	9.18	8.78	8.89	8.68	8.92	8.92	9.07	9.03	8.93	8.59	8.43	8.08
EOM	9.02	8.88	8.77	9.01	8.91	8.98	9.06	8.96	8.87	8.53	8.34	8.05

WABASH RIVER BASIN

03331320 DIAMOND LAKE NEAR SILVER LAKE, IN

LOCATION.--Lat 41°06'23", long 85°56'05", in SW¹/₄NW¹/₄SE¹/₄ sec.26, T.31 N., R.5 E., Kosciusko County, Hydrologic Unit 05120106 (SILVER LAKE, IN quadrangle). The gage is on the inlet channel on the northern shore of the lake, 2.2 mi northwest of the town of Silver Lake.

SURFACE AREA.--79 acres.

DRAINAGE AREA.--3.92 mi².

PERIOD OF RECORD.--1954-72, 1975 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--849.90 ft above National Geodetic Vertical Datum of 1929, as corrected on the basis of levels of Indiana Department of Natural Resources, 1976.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--Not established.

LAKE-LEVEL CONTROL.--The lake level is controlled by Yellow Creek Lake, 0.3 mi downstream.

INLET AND OUTLET.--There are two inlets. One enters from the north and east from Hill Lake, one enters from the southeast. The one outlet flows from the western shore and into Yellow Creek Lake, 0.3 mi downstream. Yellow Creek Lake flows into Yellow Creek, which eventually discharges into the Tippecanoe River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 13.47 July 9, 1964; minimum stage, 9.78 ft Sept. 18-19, 23, 27-30, Oct. 10-12, 1988.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.82	11.07	11.00	10.74	11.24	10.98	11.20	11.19	11.24	10.70	10.65	10.48
10	10.93	10.91	10.87	10.75	10.97	11.25	11.45	11.21	11.09	10.64	10.55	10.45
15	11.76	10.87	11.14	10.77	10.88	11.03	11.51	11.54	11.02	10.57	10.56	10.40
20	11.48	10.83	11.29	10.73	10.97	10.91	11.12	11.29	10.92	10.56	10.65	10.49
25	11.85	10.84	11.00	10.75	10.91	10.88	10.99	11.11	10.84	10.60	10.63	10.41
EOM	11.23	11.14	10.81	11.55	10.87	11.32	11.08	11.36	10.79	10.75	10.54	10.42

WTR YR 2002 MEAN 10.95 MAX 11.97 MIN 10.38

STREAMS TRIBUTARY TO LAKE MICHIGAN

04100350 DIAMOND LAKE NEAR WAWAKA, IN

LOCATION.--Lat 41°26'15", long 85°31'05", in NE¹/₄NW¹/₄NW¹/₄, sec.5, T.34 N., R.9 E., Noble County, Hydrologic Unit 04050001 (LIGONIER, IN quadrangle). The gage is located on the southeastern edge of the lake at a public access site, 2.5 mi southwest of the town of Wawaka.

SURFACE AREA.--105 acres.

DRAINAGE AREA.--4.80 mi².

PERIOD OF RECORD.--1946 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--870.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is mounted on a piling driven into the lake bed on the northern edge of the lake.

ESTABLISHED LEGAL LEVEL.--Not established.

LAKE-LEVEL CONTROL.--The lake level is controlled by a riffle at the head of the outlet channel.

INLET AND OUTLET.--Willets Ditch enters at the southwestern tip of the lake from Eagle Lake, 0.6 mi upstream. One unnamed ditch enters the lake from the south. The outlet flows from the lake at the southeastern edge and joins the South Branch of the Elkhart River 0.8 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 7.83 ft Mar. 20, 1982; minimum stage, 2.29 ft Oct. 17, 1946.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	5.99	5.57	5.26	5.85	5.35	5.72	5.30	5.43	4.82	4.49	4.28
10	---	5.70	5.50	5.47	5.58	5.63	5.85	5.36	5.32	4.79	4.41	4.24
15	---	5.51	5.55	5.54	5.40	5.59	5.73	5.91	5.20	4.64	4.41	4.17
20	5.62	5.41	5.71	5.34	5.38	5.41	5.55	5.88	5.06	4.58	4.42	4.29
25	6.29	5.42	5.61	5.22	5.36	5.27	5.43	5.65	5.07	4.51	4.42	4.20
EOM	6.21	5.57	5.40	5.56	5.31	5.39	5.39	5.43	4.96	4.55	4.34	4.23

STREAMS TRIBUTARY TO LAKE MICHIGAN

04100370 ENGLE LAKE NEAR LIGONIER, IN

LOCATION.--Lat 41°26'08", long 85°34'30", in SE¹/₄NW¹/₄NW¹/₄ sec.2, T.34 N., R.8 E., Noble County, Hydrologic Unit 04050001 (LIGONIER, IN quadrangle). The gage is located at a public access site on the eastern side of the lake, 2.2 mi south of the town of Ligonier.

SURFACE AREA.--48 acres.

DRAINAGE AREA.--4.19 mi².

PERIOD OF RECORD.--1956-67, 1977 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--870.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--8.90 ft gage datum or 878.90 ft above National Geodetic Vertical Datum of 1929 as decreed on October 23, 1984, by the Noble County Circuit Court.

LAKE-LEVEL CONTROL.--The lake level is controlled by the outlet channel at low water and the first culvert downstream at higher stages.

INLET AND OUTLET.--Sparta Lake Ditch feeds the lake from the south, flowing from Sparta Lake. The outlet flows from the northern shore through Indian Lake and into the Elkhart River 1.7 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage 10.53 ft Mar. 29, 1985; minimum stage, 7.48 ft Nov. 17, 1964.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.30	8.84	8.80	8.65	8.98	8.79	9.06	8.87	9.28	8.52	8.19	7.87
10	8.36	8.77	8.72	8.67	8.79	9.14	9.11	8.96	8.89	8.57	8.08	7.83
15	8.99	8.74	8.82	8.68	8.71	8.88	8.99	9.13	8.79	8.42	8.05	7.80
20	8.91	8.72	8.92	8.63	8.76	8.79	8.96	9.03	8.77	---	8.06	7.95
25	8.99	8.71	8.81	8.63	8.76	8.79	8.93	8.96	9.26	8.25	8.04	7.90
EOM	8.83	8.83	8.71	9.54	8.75	8.95	8.92	8.90	8.69	8.27	7.93	7.95

STREAMS TRIBUTARY TO LAKE MICHIGAN

485

04099670 FISH LAKE NEAR PLATO, IN

LOCATION.--Lat 41°37'27", long 85°19'56", in SW¹/₄NE¹/₄NE¹/₄ sec.35, T.37 N., R.10 E., Lagrange County, Hydrologic Unit 04050001 (WOLCOTTVILLE, IN quadrangle). The gage is on the northeast bank of the outlet channel, approximately 15 ft downstream of the lake on the northwest side, and 1.2 mi south of Plato.

SURFACE AREA.--100 acres.

DRAINAGE AREA.--10.6 mi².

PERIOD OF RECORD.--1945 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--930.75 ft above National Geodetic Vertical Datum of 1929, as corrected on the basis of levels of the U.S. Geological Survey, 1966.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is mounted on a tree stump on the northern bank of the outlet channel at the same site.

ESTABLISHED LEGAL LEVEL.--6.50 ft gage datum or 936.50 ft above National Geodetic Vertical Datum of 1929 as decreed on May 7, 1959, by the Lagrange County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 6.50 ft gage datum or 937.25 ft above National Geodetic Vertical Datum of 1929. Royer Lake has the same established level as Fish Lake near Plato and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by the outlet channel.

INLET AND OUTLET.--One inlet enters at the extreme southern tip from Royer Lake 700 ft upstream. The other enters on the north shore of the east lobe from Grass Lake, approximately 1.4 mi upstream. The outlet, East Fly Creek, flows from the lake on the northwest shore and joins Fly Creek, which empties into Pigeon River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 9.23 ft June 14, 15, 1981; minimum stage, 5.32 ft Nov. 17-20, 1953.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.47	6.86	6.99	6.67	7.52	7.07	7.44	7.10	7.31	6.51	6.38	---
10	6.50	6.73	6.87	6.63	7.20	7.49	7.52	7.26	7.13	6.55	6.32	---
15	6.93	6.66	6.93	6.64	7.01	7.24	7.30	8.52	6.93	6.48	---	---
20	6.97	6.63	7.11	6.61	7.00	7.05	7.30	7.68	6.77	6.42	---	---
25	7.13	6.73	6.95	6.63	7.02	6.96	7.21	7.26	6.68	6.36	---	---
EOM	6.95	6.96	6.78	7.33	6.98	7.11	7.16	7.10	6.58	6.44	---	---

STREAMS TRIBUTARY TO LAKE MICHIGAN

04099760 FISH LAKE NEAR SCOTT, IN

LOCATION.--Lat 41°45'25", long 85°38'54", in NW¹/₄NW¹/₄SE¹/₄ sec.7, T.38 N., R.8 E., Lagrange County, Hydrologic Unit 04050001 (MIDDLEBURY, IN quadrangle). The gage is on the northwest shore of the lake, on the north side of the outlet channel, 4.8 mi northwest of Scott.

SURFACE AREA.--139 acres.

DRAINAGE AREA.--6.21 mi².

PERIOD OF RECORD.--1954-69, 1978 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--809.84 ft above National Geodetic Vertical Datum of 1929, as corrected on the basis of levels of Indiana Department of Natural Resources, 1975.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to the dam at the same site.

ESTABLISHED LEGAL LEVEL.--4.42 ft gage datum or 814.42 ft above National Geodetic Vertical Datum of 1929 as decreed on September 11, 1959, by the Lagrange County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 4.42 ft gage datum or 814.26 ft above National Geodetic Vertical Datum of 1929.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a fixed concrete sill with removable boards.

INLET AND OUTLET.--The inlet, Fetch Ditch, enters on the southeastern shore. The outlet flows from the lake at the lower west shore and empties into Pigeon River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 5.61 ft Feb. 26, 1985; minimum stage, 1.54 ft Nov. 26, 1964.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	5.03	4.72	4.87	4.54	4.15	3.55
10	---	---	4.26	---	---	---	5.11	4.77	4.84	4.53	3.99	3.44
15	---	---	4.38	---	---	5.04	5.06	5.23	4.73	4.43	3.91	3.32
20	---	---	---	---	---	4.96	5.07	5.03	4.68	4.35	3.88	3.26
25	---	---	---	---	---	4.94	4.88	4.87	4.66	4.27	3.82	3.14
EOM	---	---	---	---	---	4.97	4.78	4.82	4.63	4.19	3.68	3.07

ILLINOIS RIVER BASIN

05517700 FLINT LAKE NEAR VALPARAISO, IN

LOCATION.--Lat 41°30'41", long 87°02'23", in NE¹/₄SW¹/₄ sec.6, T.35 N., R.5 W., Porter County, Hydrologic Unit 07120001 (CHESTERTON, IN quadrangle). The gage is on the southeast shore of the lake, at the outlet and the Valparaiso Water Works, 3.2 mi northeast of Valparaiso.

SURFACE AREA.--86 acres.

DRAINAGE AREA.--3.80 mi², revised.

PERIOD OF RECORD.--1946 to Oct. 1, 2002 (discontinued). From Jan. 1, 1911, to Aug. 14, 1946, readings of the lake level were taken approximately once per week by Water Works personnel. These data are available upon request.

DATUM OF GAGE.--780.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed inside the Valparaiso Water Works. An auxiliary staff gage is located lakeward of the concrete block pumping station.

ESTABLISHED LEGAL LEVEL.--17.66 ft gage datum or 797.66 ft above National Geodetic Vertical Datum of 1929 as decreed on August 19, 1963, by the Porter County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by the outlet channel and two 30-inch corrugated metal pipes under the road, 600 ft downstream.

INLET AND OUTLET.--There are three inlets. One drains Long Lake to the northwest and another drains Loomis Lake to the west and Listenberger drain enters from the south. The outlet flows from the lake at the southeast corner and into the West Branch of Crooked Creek approximately 5.0 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 21.18 ft July 2, 1983 as recorded by the Valparaiso Water Company; minimum stage, 12.59 ft Dec. 29, 1948.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.64	20.01	19.60	19.34	19.58	19.67	19.77	19.64	19.63	19.07	18.74	18.53
10	19.62	19.86	19.53	19.32	19.55	20.02	19.99	19.86	19.52	18.97	18.64	18.47
15	20.22	19.74	19.53	19.30	19.46	19.90	19.76	20.27	19.42	18.89	18.60	18.37
20	20.23	19.70	19.53	19.28	19.62	19.81	19.77	20.12	19.28	18.82	18.66	18.61
25	20.24	19.64	19.47	19.28	19.61	19.67	19.76	20.01	19.25	18.81	18.65	18.56
EOM	20.07	19.68	19.38	19.69	19.58	19.59	19.78	19.77	19.18	18.78	18.55	18.53

WTR YR 2002 MEAN 19.43 MAX 20.53 MIN 18.36

WABASH RIVER BASIN

03330160 GILBERT LAKE NEAR WASHINGTON CENTER, IN

LOCATION.--Lat 41°19'50", long 85°35'48", in NE¹/₄NE¹/₄SE¹/₄ sec.9, T.33 N., R.8 E., Noble County, Hydrologic Unit 05120106 (ORMAS, IN quadrangle). The gage is at the extreme west end of the lake on the east side of County Road 925 West, approximately 400 ft south of Gilbert Lake Road, and 0.4 mi north of Washington Center.

SURFACE AREA.--28 acres.

DRAINAGE AREA.--0.37 mi².

PERIOD OF RECORD.--1954-59, 1961 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--884.85 ft above National Geodetic Vertical Datum of 1929, as corrected on the basis of levels of the Indiana Department of Natural Resources, 1974-75.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage in one section is driven into the lake bed approximately 100 ft south of the primary gage.

ESTABLISHED LEGAL LEVEL.--Not established.

LAKE-LEVEL CONTROL.--The level is controlled by the outlet through the swamp, east of the lake.

INLET AND OUTLET.--The lake has no inlet. The outlet leaves from the southeastern side and flows into Stump Lake.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 6.81 ft Dec. 4-5, 1987; minimum stage, 3.53 ft Nov. 1, 1963.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.10	4.80	4.85	4.79	4.90	4.99	4.90	4.81	4.81	4.78	4.85	5.34
10	5.15	4.82	4.85	4.80	4.94	4.98	4.91	4.85	4.73	4.85	4.76	5.36
15	5.28	4.85	4.91	4.85	4.93	4.96	4.86	4.84	4.77	4.80	4.80	5.36
20	5.01	4.86	4.86	4.86	5.02	4.95	4.92	4.80	4.77	4.79	5.01	5.50
25	4.81	4.90	4.84	4.92	4.96	4.97	4.83	4.81	4.82	4.82	5.26	5.49
EOM	4.73	4.96	4.79	5.15	4.94	4.97	4.84	4.77	4.81	4.87	5.31	5.55

WTR YR 2002 MEAN 4.93 MAX 5.55 MIN 4.72

04100110 HACKENBURG LAKE NEAR WOLCOTTVILLE, IN

LOCATION.--Lat 41°33'25", long 85°26'17", in NE¹/₄SW¹/₄SW¹/₄ sec.24, T.36 N., R.9 E., Lagrange County, Hydrologic Unit 04050001 (OLIVER LAKE, IN quadrangle). The gage is on the north shore of the outlet channel at the bridge on County Road 75 West, and 4.2 mi northwest of Wolcottville.

SURFACE AREA.--42 acres.

DRAINAGE AREA.--55.4 mi².

PERIOD OF RECORD.--1945 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--890.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in a wooden shelter over a 24-inch diameter stilling well. An auxiliary staff gage is bolted to the downstream side of the bridge at the same site.

ESTABLISHED LEGAL LEVEL.--7.36 ft gage datum or 897.36 ft above National Geodetic Vertical Datum of 1929 as decreed on February 2, 1954, by the Lagrange County Circuit Court. Witmer, Westler, Dallas, and Messick Lakes, all near Wolcottville, have the same established level and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete sill with removable stop logs located at the outlet of Messick Lake.

INLET AND OUTLET.--One inlet enters on the north shore from Oliver Lake 1.6 mi upstream. The other inlet enters on the east shore from Dallas Lake 0.5 mi upstream, which is part of a chain of lakes including Westler and Witmer Lakes. The outlet flows from the lake on the southwest shore and into Messick Lake about 0.5 mi downstream. Messick Lake empties into the North Branch of the Elkhart River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 11.17 ft Apr. 7, 1978; minimum stage, 6.34 ft Oct. 10, 1953.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	8.28	---	---	---	---	8.68	8.06	8.27	7.41	7.47	7.37
10	---	8.02	---	---	---	---	8.93	8.08	8.13	7.45	7.40	7.34
15	---	7.80	---	---	---	8.55	8.94	9.32	7.85	7.40	7.42	7.33
20	8.38	7.63	---	---	---	8.36	8.74	9.35	7.65	7.47	7.44	7.42
25	8.56	7.75	---	---	---	8.16	8.45	8.90	7.59	7.45	7.44	7.40
EOM	8.46	8.05	---	---	---	8.21	8.26	8.43	7.49	7.50	7.40	7.44

STREAMS TRIBUTARY TO LAKE ERIE

04177700 HAMILTON LAKE AT HAMILTON, IN

LOCATION.--Lat 41°32'10", long 84°54'45", in SW¹/₄SW¹/₄NW¹/₄ sec.34, T.36 N., R.14 E., Steuben County, Hydrologic Unit 04100003 (HAMILTON, IN quadrangle). The gage is on the eastern shore of the southern lobe at the outlet, in the town of Hamilton.

SURFACE AREA.--802 acres.

DRAINAGE AREA.--16.5 mi².

PERIOD OF RECORD.--1943 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--890.12 ft above National Geodetic Vertical Datum of 1929, as corrected on the basis of levels of Indiana Department of Natural Resources, 1978.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--8.83 ft gage datum or 898.83 ft above National Geodetic Vertical Datum of 1929 as decreed on July 3, 1947, by the Steuben County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 8.83 ft gage datum or 898.95 ft above National Geodetic Vertical Datum of 1929.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by two dams. The northernmost dam is concrete and steel sheet piling with a fixed crest. The southern dam has a fixed concrete sill.

INLET AND OUTLET.--Black Creek enters the lake on the northeast shore. Two small ditches enter from the east and the north. There are two outlets, both on the southern lobe, that flow into Fish Creek thence into the St. Joseph River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 10.14 ft Dec. 30, 1965; minimum stage, 7.27 ft Jan. 4-9, 1953.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.59	8.60	8.69	8.63	8.79	8.69	8.87	8.60	8.67	8.44	8.36	8.32
10	8.57	8.57	8.60	8.63	8.65	8.86	8.96	8.65	8.61	8.50	8.29	8.29
15	8.92	8.57	8.78	8.62	8.59	8.67	8.79	9.00	8.56	8.42	8.30	8.23
20	8.79	8.56	8.79	8.61	8.63	8.61	8.70	8.76	8.54	8.36	8.33	8.36
25	8.80	8.60	8.64	8.58	8.62	8.59	8.63	8.72	8.64	8.28	8.36	8.34
EOM	8.64	8.86	8.63	9.00	8.58	8.82	8.63	8.64	8.55	8.40	8.34	8.41

WTR YR 2002 MEAN 8.60 MAX 9.39 MIN 8.22

STREAMS TRIBUTARY TO LAKE MICHIGAN

04099860 HEATON LAKE NEAR ELKHART, IN

LOCATION.--Lat 41°44'14", long 85°54'42", in NW¹/₄NE¹/₄NE¹/₄ sec.23, T.38 N., R.5 E., Elkhart County, Hydrologic Unit 04050001 (ELKHART, IN quadrangle). The gage is on the east bank of the inlet on the north shore of the lake, 4.7 mi northeast of the main Post Office in Elkhart.

SURFACE AREA.--87 acres.

DRAINAGE AREA.--9.33 mi².

PERIOD OF RECORD.--1946-53, 1970-75, 1977 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--760.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--7.30 ft gage datum or 767.30 ft above National Geodetic Vertical Datum of 1929 as decreed on September 25, 1950, by the Elkhart County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a fixed-crest concrete dam.

INLET AND OUTLET.--The one inlet enters the lake at the extreme northern point of the lake. The outlet, Puterbaugh Creek, flows from the west end of the lake and enters the St. Joseph River approximately 4.0 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 9.73 ft Feb. 26, 1985; minimum stage, 4.55 ft Nov. 12-18, 1971.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.41	8.29	---	8.17	8.24	---	8.25	8.18	---	7.98	7.18	6.44
10	7.47	---	8.16	8.17	---	---	8.32	8.24	---	7.98	6.93	6.27
15	7.96	---	8.21	8.10	---	8.30	8.25	8.68	8.19	7.86	6.87	6.10
20	7.96	---	8.21	8.06	---	8.25	8.22	---	8.16	7.67	6.87	6.19
25	8.26	---	8.17	8.05	---	8.22	8.20	---	8.15	7.44	6.76	6.00
EOM	8.18	---	8.17	8.26	---	8.25	8.21	---	8.11	7.30	6.59	5.83

STREAMS TRIBUTARY TO LAKE MICHIGAN

04100258 HIGH LAKE NEAR WOLFLAKE, IN

LOCATION.--Lat 41°18'51", long 85°31'49", in SW¹/₄NE¹/₄SW¹/₄ sec.18, T.33 N., R.9 E., Noble County, Hydrologic Unit 04050001 (ORMAS, IN quadrangle). The gage is on a dredged channel on the west shore of the east lobe, 2.1 mi southwest of Wolflake.

SURFACE AREA.--123 acres.

DRAINAGE AREA.--4.43 mi².

PERIOD OF RECORD.--1961-68, 1970 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--890.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is driven into the lake bed at the same site.

ESTABLISHED LEGAL LEVEL.--6.35 ft gage datum or 896.35 ft above National Geodetic Vertical Datum of 1929 as decreed on February 25, 1963, by the Noble County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete, fixed-crest dam with a rectangular notch.

INLET AND OUTLET.--The one inlet, Beal Branch, enters the lake on the southeast shore. The outlet flows from the east side of the north lobe, through Bear Lake, 0.6 mi downstream, into Carrol Creek, and eventually into the Elkhart River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 7.70 ft June 28, 1968; minimum stage, 5.30 ft Nov. 15, 25-28, 1964, Oct. 13, 26-31, Nov. 1-3, 1966.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.72	6.84	7.00	6.97	7.09	7.01	7.18	6.85	6.83	6.52	6.51	6.50
10	6.76	6.78	6.89	6.90	6.94	7.19	7.18	6.96	6.76	6.52	6.41	6.46
15	7.18	6.76	---	6.78	6.87	7.06	7.13	7.15	6.71	6.45	6.48	6.36
20	7.01	6.75	7.10	6.77	6.95	6.98	7.07	6.90	6.68	6.41	6.60	6.51
25	7.11	7.00	6.97	6.78	6.96	6.91	6.93	6.82	6.64	6.42	6.65	6.46
EOM	6.87	7.17	6.97	7.20	6.94	7.17	6.90	6.83	6.58	6.56	6.56	6.48

03331300 HILL LAKE NEAR SILVER LAKE, IN

LOCATION.--Lat 41°06'16", long 85°54'35", in SE¹/₄NE¹/₄SE¹/₄ sec.25, T.31 N., R.5 E., Kosciusko County, Hydrologic Unit 05120106 (SILVER LAKE, IN quadrangle). The gage is located on the northern shore of the southwestern lobe of the lake, 2.5 mi northwest of the town of Silver Lake.

SURFACE AREA.--67 acres.

DRAINAGE AREA.--0.85 mi².

PERIOD OF RECORD.--1952 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--860.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is located on the southernmost tip of the lake. The staff is mounted on a board driven into the lake bed.

ESTABLISHED LEGAL LEVEL.--11.50 ft gage datum or 871.50 ft above National Geodetic Vertical Datum of 1929 as decreed on September 10, 1959, by the Kosciusko County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete fixed sill with removable boards.

INLET AND OUTLET.--There are no surface inlets. The one outlet flows from the western edge of the lake and empties into Diamond Lake 1.5 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 12.54 ft July 21, 1963; minimum stage, 9.86 ft Jan. 18, 19, 1954.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.32	---	11.47	11.45	11.57	11.48	11.53	11.51	11.49	11.21	11.14	11.02
10	11.44	---	11.41	11.41	11.45	11.57	11.66	11.50	11.39	11.15	11.05	10.96
15	11.76	---	11.54	11.41	11.40	11.48	11.69	11.63	11.34	11.06	11.07	10.91
20	11.57	---	11.59	11.38	11.46	11.42	11.49	11.51	11.31	11.06	11.13	10.96
25	11.76	---	11.47	11.37	11.43	11.42	11.40	11.42	11.30	11.08	11.13	10.90
EOM	---	---	11.45	11.71	11.43	11.57	11.48	11.55	11.27	11.17	11.07	10.89

STREAMS TRIBUTARY TO LAKE MICHIGAN

04099500 HOGBACK LAKE NEAR ANGOLA, IN

LOCATION.--Lat 41°37'39", long 85°04'59", in SE¹/₄SE¹/₄SE¹/₄ sec.25, T.37 N., R.12 E., Steuben County, Hydrologic Unit 04050001 (ANGOLA WEST, IN quadrangle). The gage is on the northeast shore, 0.5 mi south of the Tri-State Airport, on County Road 500 West, and 4.4 mi southwest of Angola.

SURFACE AREA.--146 acres.

DRAINAGE AREA.--103 mi².

PERIOD OF RECORD.--1946-73, 1977 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--940.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage in one section is attached to a tree at the same site.

ESTABLISHED LEGAL LEVEL.--8.50 ft gage datum or 948.50 ft above National Geodetic Vertical Datum of 1929 as decreed on October 28, 1959, by the Steuben County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by the outlet channel (Pigeon Creek).

INLET AND OUTLET.--There are three inlets to the lake. One unnamed ditch enters from the north. A small tributary enters on the eastern tip from Silver Lake, 0.7 mi upstream. Pigeon Creek flows through the lake, entering at the southeastern shore from Golden Lake, 1.2 mi upstream and leaving at the north end of the western lobe. Pigeon Creek joins Turkey Creek to become Pigeon River and eventually empties into the St. Joseph River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 17.07 ft Mar. 22, 1982; minimum stage, 7.24 ft Sept. 9, 10, 1953.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.71	9.81	10.20	9.68	11.95	9.90	11.74	9.71	10.00	8.96	8.73	8.57
10	8.79	9.48	9.61	9.21	10.59	11.00	11.70	9.83	9.89	8.97	8.66	8.54
15	10.67	9.31	9.78	9.18	10.08	10.81	11.49	13.56	9.57	8.87	8.71	8.53
20	11.71	9.19	10.78	9.15	9.78	10.02	10.65	12.25	9.35	8.80	8.76	8.63
25	10.80	9.22	10.02	9.14	9.85	9.69	10.21	10.68	9.30	8.75	8.69	8.63
EOM	10.28	9.74	9.68	10.09	9.72	10.35	9.94	9.98	9.12	8.80	8.61	8.66

WTR YR 2002 MEAN 9.77 MAX 13.61 MIN 8.52

STREAMS TRIBUTARY TO LAKE MICHIGAN

04097680 JIMMERSON LAKE AT NEVADA MILLS, IN

LOCATION.--Lat 41°43'31", long 85°04'55", in SW¹/₄NW¹/₄ sec.30, T.38 N., R.13 E., Steuben County, Hydrologic Unit 04050001 (ANGOLA WEST, IN quadrangle). The gage is at the extreme west end of the lake on the abutment of the concrete spillway structure and dam in the town of Nevada Mills, 4.6 mi east of Orland.

SURFACE AREA.--434 acres.

DRAINAGE AREA.--51.6 mi².

PERIOD OF RECORD.--1937-44, 1946 to Oct. 1, 2002 (discontinued). (Lake level readings were made once a week by employees of Northern Indiana Public Service Company from 1937 to 1944.)

DATUM OF GAGE.--960.27 ft above National Geodetic Vertical Datum of 1929, as corrected on the basis of levels of Indiana Department of Natural Resources in June 1972.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 24-inch diameter stilling well attached to the control structure. An auxiliary staff gage is bolted to the same wall.

ESTABLISHED LEGAL LEVEL.--4.66 ft gage datum or 964.66 ft above National Geodetic Vertical Datum of 1929 as decreed on July 3, 1947, by the Steuben County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 4.66 ft gage datum or 964.93 ft above National Geodetic Vertical Datum of 1929.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete fixed-crest dam.

INLET AND OUTLET.--Crooked Creek flows through the lake, entering from Lake James at the extreme southeast end, and leaving from the northwest. Crooked Creek flows through Tamarack Lake and becomes Fawn River, which eventually empties into the St. Joseph River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 6.22 ft May 27, 1943; minimum stage, 3.71 ft Feb. 16, 17, 1948.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.90	5.27	5.26	5.10	5.54	5.30	5.46	5.25	5.38	4.85	4.69	4.70
10	4.92	5.16	5.18	5.05	5.39	5.44	5.56	5.29	5.30	4.81	4.62	4.64
15	5.32	5.11	5.26	5.06	5.30	5.40	5.53	6.01	5.19	4.73	4.65	4.63
20	5.48	5.07	5.32	5.04	5.30	5.30	5.52	5.85	5.10	4.70	4.77	4.72
25	5.43	5.10	5.25	5.05	5.28	5.25	5.37	5.56	5.02	4.66	4.80	4.69
EOM	5.36	5.24	5.14	5.41	5.27	5.28	5.31	5.39	4.94	4.73	4.75	4.72

WTR YR 2002 MEAN 5.14 MAX 6.01 MIN 4.62

WABASH RIVER BASIN

03331438 KING LAKE NEAR DELONG, IN

LOCATION.--Lat 41°07'48", long 86°25'23", in NW¹/₄SW¹/₄SE¹/₄ sec.16, T.31 N., R.1 E., Fulton County, Hydrologic Unit 05120106 (CULVER, IN quadrangle). The gage is located on the northern shore of the lake, on the lake access road, 0.6 mi southwest of Delong.

SURFACE AREA.--18 acres.

DRAINAGE AREA.--1.98 mi².

PERIOD OF RECORD.--1970-72, 1975 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--730.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--Not established.

LAKE-LEVEL CONTROL.--The lake level is normally controlled by the outlet channel bed. At high stages the control changes to the outlet culvert under old State Highway 17. The culvert is located about 700 ft north of the lake.

INLET AND OUTLET.--The inlet is an unnamed ditch which enters the lake from the southeastern side. The outlet exits the lake on the northern side and flows north approximately 1.5 mi to the Tippecanoe River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 8.69 ft June 14, 1981; minimum stage, 3.60 ft Oct. 23-26, 28-31, Nov. 1, 2, 1974.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.83	6.88	6.99	6.97	6.79	6.71	6.85	6.56	6.04	5.75	5.51	5.28
10	5.79	6.88	6.97	6.88	6.58	7.06	6.84	6.57	6.00	5.69	5.40	5.20
15	6.30	6.91	7.02	6.89	6.51	6.71	6.63	6.86	6.07	5.55	5.35	5.13
20	6.64	6.92	7.03	6.88	6.74	6.53	6.52	6.62	6.00	5.51	5.52	5.17
25	6.99	6.92	6.98	6.85	6.68	6.47	6.52	6.33	5.91	5.43	5.47	5.10
EOM	6.83	7.01	6.97	7.13	6.66	6.82	6.64	6.11	5.85	5.54	5.37	5.07

WTR YR 2002 MEAN 6.33 MAX 7.22 MIN 5.07

04100390 KNAPP LAKE NEAR WASHINGTON CENTER, IN

LOCATION.--Lat. 41°20'36", long 85°36'17", in SW¹/₄NE¹/₄SW¹/₄ sec.4, T.33 N., R.8 E., Noble County, Hydrologic Unit 04050001 (ORMAS, IN quadrangle). The gage is at a public access site on the east side of the lake, and 5.8 mi west of the town of Wolf Lake.

SURFACE AREA.--88 acres.

DRAINAGE AREA.--6.02 mi².

PERIOD OF RECORD.--1946-74, 1976 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--870.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--8.25 ft gage datum or 878.25 ft above National Geodetic Vertical Datum of 1929 as decreed on October 7, 1954, by the Noble County Circuit Court. Harper Lake, Moss Lake, and Hindman Lake, all near Washington Center, have the same established level as Knapp Lake and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--The lake level is controlled by the outlet channel.

INLET AND OUTLET.--There are three inlets. The outlet of Little Knapp Lake enters at the southeastern corner, the outlet of Harper Lake enters at the southernmost tip, and Galloway Ditch enters on the eastern shore. The outlet flows from the lake on the western shore, through a series of lakes, into Turkey Creek and eventually into the Elkhart River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 11.10 ft June 27, 1968; minimum stage, 6.14 ft Mar. 26, 1994.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.27	7.81	7.59	7.17	8.18	7.73	8.27	7.74	8.18	7.32	7.55	7.55
10	7.31	7.53	7.43	7.11	7.71	8.35	8.38	8.00	7.98	7.29	7.18	7.29
15	8.90	7.40	7.70	7.09	7.46	7.98	8.17	8.80	7.79	7.17	7.17	7.15
20	8.58	7.31	8.08	7.06	7.53	7.72	7.96	8.53	7.66	7.13	7.37	7.29
25	8.54	7.32	7.67	7.06	7.56	7.60	7.86	8.39	7.58	7.16	7.48	7.34
EOM	7.93	7.71	7.34	8.09	7.53	8.02	7.84	8.22	7.49	7.42	7.51	7.31

WTR YR 2002 MEAN 7.68 MAX 9.06 MIN 7.05

ILLINOIS RIVER BASIN

05515600 KOONTZ LAKE AT KOONTZ LAKE, IN

LOCATION.--Lat 41°24'42", long 86°29'18", in SW¹/₄SE¹/₄NE¹/₄ sec.11, T.34 N., R.1 W., Starke County, Hydrologic Unit 07120001 (WALKERTON, IN quadrangle). The gage is on the western tip of the lake, at the control dam on State Highway 23, at the town of Koontz Lake.

SURFACE AREA.--346 acres.

DRAINAGE AREA.--6.25 mi².

PERIOD OF RECORD.--1943 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--710.12 ft above National Geodetic Vertical Datum of 1929, as corrected on the basis of levels of Indiana Department of Natural Resources, 1978.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--4.56 ft gage datum or 714.56 ft above National Geodetic Vertical Datum of 1929 as decreed on September 15, 1948, by the Starke County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 4.56 ft gage datum or 714.68 ft above National Geodetic Vertical Datum of 1929.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a steel sheet piling dam with a fixed crest.

INLET AND OUTLET.--Lawrence Pontius Ditch and Rose Ditch enter the lake on the south shore of the east lobe. The outlet flows from the lake at the western tip and into Robbins Ditch 1400 ft downstream. Robbins Ditch empties into the Kankakee River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 6.10 ft Oct. 11, 1954; minimum stage, 3.10 ft Oct. 12, 1970.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.51	4.59	4.59	4.56	4.67	4.63	4.74	4.63	4.59	4.46	4.49	4.36
10	4.47	4.55	4.55	4.56	4.59	4.74	4.76	4.66	4.56	4.52	4.40	4.32
15	4.72	4.55	4.62	4.55	4.56	4.66	4.67	4.83	4.55	4.45	4.39	4.27
20	4.63	4.54	4.61	4.56	4.64	4.61	4.75	4.71	4.52	4.43	4.44	4.39
25	4.65	4.55	4.55	4.53	4.63	4.63	4.67	4.65	4.62	4.48	4.46	4.35
EOM	4.57	4.63	4.55	4.84	4.60	4.69	4.69	4.63	4.52	4.50	4.40	4.34

WTR YR 2002 MEAN 4.57 MAX 5.08 MIN 4.25

05517800 LAKE ELIZA NEAR BEATRICE, IN

LOCATION.--Lat 41°25'55", long 87°10'33", in SW¹/₄NE¹/₄NW¹/₄ sec.1, T.34 N., R.7 W., Porter County, Hydrologic Unit 07120001 (PALMER, IN quadrangle). The gage is on the east bank of a boat channel off the northernmost end of the lake, south of the bridge over the channel, and at the town of Lake Eliza.

SURFACE AREA.--45 acres.

DRAINAGE AREA.--1.70 mi².

PERIOD OF RECORD.--1954-74, 1976 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--735.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to the bridge piling.

ESTABLISHED LEGAL LEVEL.--3.70 ft gage datum or 738.70 ft above National Geodetic Vertical Datum of 1929 as decreed on February 7, 1982, by the Porter County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a reinforced concrete dam with fixed crest.

INLET AND OUTLET.--Two small inlets enter the lake from the northwest and the northeast. The outlet flows from the lake on the south side through a dredged channel, forms the head waters of Wolf Creek, and eventually joins the Kankakee River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 7.24 ft June 14, 1981; minimum stage, 2.45 ft Oct. 13-15, 1988.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.72	4.39	4.85	4.09	4.38	4.32	4.73	4.31	4.29	3.90	3.54	3.30
10	3.70	4.38	4.49	4.10	4.47	5.23	4.94	4.81	4.22	3.86	3.44	3.25
15	4.49	4.39	4.49	4.10	4.18	5.10	4.85	4.99	4.17	3.74	3.40	3.18
20	4.65	4.44	4.54	4.10	4.65	4.66	4.83	4.47	4.06	3.66	3.44	3.30
25	4.72	4.45	4.25	4.11	4.58	4.37	4.65	4.40	4.08	3.56	3.42	3.23
EOM	4.42	4.64	4.12	4.62	4.62	4.26	4.52	4.34	4.03	3.54	3.32	3.19

WTR YR 2002 MEAN 4.19 MAX 5.82 MIN 3.16

STREAMS TRIBUTARY TO LAKE MICHIGAN

04097950 LAKE GAGE AT PANAMA, IN

LOCATION.--Lat 41°42'32", long 85°06'53", in SE¹/₄SE¹/₄NW¹/₄ sec.35, T.38 N., R.12 E., Steuben County, Hydrologic Unit 04050001 (ANGOLA WEST, IN quadrangle). The gage is at the bridge over the outlet on the northern tip of the lake, 0.4 mi northwest of Panama, and 3.3 mi southeast of Orland.

SURFACE AREA.--332 acres.

DRAINAGE AREA.--17.3 mi².

PERIOD OF RECORD.--1946 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--950.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in a wooden shelter over a 24-inch diameter stilling well at the downstream side of the bridge. An auxiliary staff gage is at the same site.

ESTABLISHED LEGAL LEVEL.--4.25 ft gage datum or 954.25 ft above National Geodetic Vertical Datum of 1929 as decreed on July 3, 1947, by the Steuben County Circuit Court. Lime Lake at Panama has the same established level and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with a fixed crest and one adjustable gate at the outlet of Lime Lake.

INLET AND OUTLET.--The one inlet flows into the lake on the extreme eastern shore from the Third Basin of Crooked Lake, 1.4 mi upstream. The outlet flows from the northern tip into Lime Lake approximately 600 ft downstream, then eventually into the St. Joseph River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 5.55 ft Apr. 25, 1950; minimum stage, 3.41 ft Nov. 13, 15-20, 1953.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.56	4.97	4.82	4.69	4.92	4.90	4.83	4.66	4.97	4.39	4.37	4.32
10	4.49	4.88	4.76	4.69	4.91	4.95	4.92	4.61	4.82	4.43	4.29	4.30
15	4.80	4.82	4.86	4.67	4.87	4.88	4.93	5.09	4.71	4.36	4.31	4.27
20	4.92	4.77	4.86	4.64	4.94	4.80	5.03	5.32	4.57	4.35	4.38	4.35
25	5.05	4.81	4.80	4.64	4.87	4.72	4.91	5.25	4.43	4.33	4.42	4.29
EOM	5.00	4.91	4.71	5.00	4.89	4.75	4.87	4.97	4.41	4.40	4.36	4.32

WTR YR 2002 MEAN 4.71 MAX 5.33 MIN 4.26

493

LOCATION.--Lat 41°32'07", long 87°15'30", in NW¹/₄NW¹/₄NW¹/₄ sec.32, T.36 N., R.7 W., Lake County, Hydrologic Unit 04040001 (GARY, IN quadrangle). The gage is on the northeast end of the lake, 70 ft northwest of the dam and 400 ft upstream of the Ridge Road bridge, in Hobart.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 7.14 ft Oct. 11, 1954; minimum stage, below .08 ft Aug. 2, 1997 (while the lake was being drained).

[illegible]

LOCATION.--Lat 41°44'58", long 85°01'01", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.15, T.38 N., R.13 E., Steuben County, Hydrologic Unit 04050001 (ANGOLA WEST, IN quadrangle). The gage is 25 ft east of the outlet dam on the southwest end of the lake at Jamestown, 8.0 mi north of Angola.

INLET AND OUTLET.--The inlet flows from Silver Lake, 0.8 mi upstream, and enters on the north shore. The outlet flows from the southwest end of the lake and forms Crooked Creek. Crooked Creek flows into Mud Lake 0.8 mi downstream, then enters Snow Lake.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 6.28 ft May 12, 2002; minimum stage, 4.20 ft Dec. 6, 7, 1946; Oct. 23-31, 1948.

[illegible]

WABASH RIVER BASIN

03331380 LAKE MANITOU AT ROCHESTER, IN

LOCATION.--Lat 41°03'00", long 86°10'06", NW¹/₄SW¹/₄NW¹/₄ sec.14, T.30 N., R.3 E., Fulton County, Hydrologic Unit 05120106 (ROCHESTER, IN quadrangle). The gage is located at the public access site on the eastern side of the lake, and 2.6 mi southeast of the courthouse in Rochester.

SURFACE AREA.--1,158 acres.

DRAINAGE AREA.--44.2 mi².

PERIOD OF RECORD.--1943 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--770.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in a aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is located at the northwest end of the lake at the fish hatchery.

ESTABLISHED LEGAL LEVEL.--8.41 ft gage datum or 778.41 ft above National Geodetic Vertical Datum of 1929 as decreed on September 27, 1948, by the Fulton County Circuit Court.

LAKE-LEVEL CONTROL.--The lake level is controlled by a concrete dam and the gate of a feeder canal at the lake outlet.

INLET AND OUTLET.--Rain Creek is the main inlet and enters at the southeastern edge of the lake. The other inlet is located on the eastern shore of the lake at the site of the gage. The outlet is Mill Creek, which exits at the northwestern tip of the lake and flows 3.5 mi to the Tippecanoe River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 10.87 ft Aug. 19, 1990; minimum stage, 6.48 ft Nov. 14, 25-27, 1964.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.45	9.56	9.55	9.44	9.83	9.99	10.03	9.82	9.63	9.30	9.32	9.17
10	9.41	9.53	9.47	9.44	9.87	10.25	10.17	9.85	9.51	9.30	9.24	9.15
15	10.06	9.50	9.67	9.44	9.89	10.01	10.05	10.09	9.46	9.26	9.23	9.11
20	9.78	9.48	9.76	9.42	10.03	9.92	9.83	9.81	9.41	9.30	9.35	9.19
25	10.05	9.49	9.57	9.43	9.94	9.90	9.78	9.68	9.39	9.28	9.30	9.17
EOM	9.61	9.65	9.47	9.87	9.92	10.21	9.93	9.60	9.36	9.41	9.21	9.20

WTR YR 2002 MEAN 9.60 MAX 10.34 MIN 9.10

WABASH RIVER BASIN

03331440 LAKE MAXINKUCKEE AT CULVER, IN

LOCATION.--Lat 41°11'48", long 86°25'00", in NE¹/₄SE¹/₄NW¹/₄ sec.28, T.32 N., R.1 E., Marshall County, Hydrologic Unit 05120106 (CULVER, IN quadrangle). The gage is on the lower west side of the lake, at the public access site, 1.4 mi south of the center of Culver.

SURFACE AREA.--1,864 acres.

DRAINAGE AREA.--13.7 mi².

PERIOD OF RECORD.--1943 to current year.

DATUM OF GAGE.--730.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to the upstream side of the north abutment of the outlet dam.

ESTABLISHED LEGAL LEVEL.--3.12 ft gage datum or 733.12 ft above National Geodetic Vertical Datum of 1929 as decreed on August 9, 1948, by the Marshall County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with a fixed crest at the outlet channel.

INLET AND OUTLET.--Wilson Ditch enters the lake at the northeast corner, Curtiss Ditch enters at the east center, and Norris Inlet enters at the southeast corner. The outlet leaves the lake at the western shore, north of the point, and flows into Lost Lake 1,600 ft downstream, thence into the Tippecanoe River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 5.48 ft June 14, 15, 1981; minimum stage, 2.12 ft Nov. 19, 1953 and Nov. 19, 1956.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.12	3.50	3.45	3.42	3.70	3.74	3.95	3.83	3.83	3.54	3.35	3.02
10	3.04	3.46	3.44	3.41	3.66	3.85	4.01	3.81	3.73	3.50	3.20	2.96
15	3.38	3.44	3.49	3.41	3.60	3.84	4.01	4.13	3.63	3.32	3.11	2.89
20	3.43	3.44	3.56	3.40	3.66	3.79	3.96	4.09	3.53	3.34	3.24	2.94
25	3.57	3.40	3.51	3.40	3.67	3.76	3.86	3.98	3.63	3.26	3.20	2.87
EOM	3.50	3.46	3.44	3.60	3.69	3.80	3.89	3.87	3.61	3.28	3.14	2.86

WTR YR 2002 MEAN 3.52 MAX 4.16 MIN 2.86

LOCATION.--Lat 41°25'04", long 86°13'44", in SW¹/₄NW¹/₄NW¹/₄ sec.7, T.34 N., R.3 E., Marshall County, Hydrologic Unit 07120001 (BREMEN, IN quadrangle). The gage is on the southwest shore of the lake, at the public fishing site, and 4.7 mi southwest of Bremen.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 7.68 ft Oct. 12, 1954; minimum stage, 2.75 ft Nov. 18-20, 1953.

WTR YR 2002 MEAN 11.55 MAX 12.53 MIN 10.69

STREAMS TRIBUTARY TO LAKE MICHIGAN

04097520 LAKE PLEASANT NEAR NEVADA MILLS, IN

LOCATION.--Lat 41°45'18", long 85°06'10", in NW¹/₄SW¹/₄NW¹/₄ sec.13, T.38 N., R.12 E., Steuben County, Hydrologic Unit 04050001 (KINDERHOOK, MI-IN quadrangle). The gage is at a bridge over a boat channel on the south shore of the lake, 2.3 mi northwest of Nevada Mills.

SURFACE AREA.--424 acres.

DRAINAGE AREA.--3.18 mi².

PERIOD OF RECORD.--1954-69, 1971, 1976 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--960.40 ft above National Geodetic Vertical Datum of 1929 as corrected on the basis of levels of Indiana Department of Natural Resources, 1977-78.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to the southwest bridge abutment at the site.

ESTABLISHED LEGAL LEVEL.--1.10 ft gage datum or 961.50 ft above National Geodetic Vertical Datum of 1929 as decreed on April 11, 1986, by the Steuben County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a metal plate welded across the bottom of a corrugated metal pipe.

INLET AND OUTLET.--The one inlet enters the lake on the west side. The outlet flows from the northern shore, enters Michigan, and eventually empties into Prairie River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 2.04 ft Mar. 17, 1980; minimum stage, -0.14 ft Nov. 6-14, 1964.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.20	1.38	1.37	1.36	1.55	1.41	1.45	1.31	1.43	1.07	0.86	0.70
10	1.17	1.32	1.34	1.32	1.49	1.48	1.48	1.35	1.38	1.08	0.75	0.64
15	1.44	1.30	1.39	1.32	1.43	1.45	1.45	1.61	1.37	1.00	0.71	0.58
20	1.48	1.27	1.41	1.30	1.44	1.40	1.46	1.56	1.29	0.95	0.74	0.59
25	1.47	1.31	1.36	1.28	1.44	1.36	1.38	1.44	1.24	0.90	0.86	0.54
EOM	1.40	1.41	1.35	1.61	1.43	1.39	1.34	1.40	1.16	0.93	0.77	0.54

WTR YR 2002 MEAN 1.24 MAX 1.69 MIN 0.53

STREAMS TRIBUTARY TO LAKE MICHIGAN

04100160 LITTLE LONG LAKE AT KENDALLVILLE, IN

LOCATION.--Lat 41°27'49", long 85°15'27", in SE¹/₄NW¹/₄NE¹/₄ sec.28, T.35 N., R.11 E., Noble County, Hydrologic Unit 04050001 (KENDALLVILLE, IN quadrangle). The gage is on the south side of the lake at the bridge over the dredged channel in Wakeville Village, 1.6 mi northeast of City Hall in Kendallville.

SURFACE AREA.--71 acres.

DRAINAGE AREA.--4.55 mi².

PERIOD OF RECORD.--1954 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--950.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage in one section is attached to the west wingwall on the south side of the bridge.

ESTABLISHED LEGAL LEVEL.--4.50 ft gage datum or 954.50 ft above National Geodetic Vertical Datum of 1929 as decreed on March 26, 1970. Round Lake at Kendallville has the same established level and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a fixed-crest concrete dam.

INLET AND OUTLET.--The one inlet enters on the east side from Round Lake. The outlet, Waterhouse Ditch, flows from the lake at the southwest end and into Henderson Lake Ditch, thence into Sylvan Lake 4.8 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 6.75 ft Jan. 31, 1969; minimum stage, 3.33 ft Nov. 17, 18, 1964.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.68	4.78	4.85	4.76	4.97	4.84	5.08	4.78	4.79	4.59	4.51	4.47
10	4.69	4.72	4.76	4.71	4.83	5.06	5.13	4.94	4.73	4.55	4.40	4.41
15	5.12	4.71	4.95	4.71	4.77	4.87	4.99	5.15	4.66	4.45	4.44	4.34
20	4.95	4.70	4.97	4.69	4.83	4.78	4.87	4.87	4.65	4.52	4.54	4.39
25	5.07	4.78	4.82	4.70	4.79	4.78	4.79	4.77	4.80	4.47	4.65	4.32
EOM	4.82	5.00	4.76	5.17	4.77	5.04	4.81	4.73	4.69	4.56	4.54	4.35

WTR YR 2002 MEAN 4.75 MAX 5.51 MIN 4.30

LOCATION.--Lat 40°59'09", long 85°50'18", in NE¹/₄NW¹/₄NE¹/₄ sec.10, T.29 N., R.6 E., Wabash County, Hydrologic Unit 05120104 (NORTH MANCHESTER SOUTH, IN quadrangle). The gage is located on the north shore of the lake, 0.3 mi west of Crill Road, and 0.8 mi north of Laketon.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 13.66 ft Mar. 22, 1982; minimum stage, 8.68 ft Dec. 1-3, 1964.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.68	12.44	12.21	12.17	12.33	12.28	12.44	12.42	12.40	11.69	11.34	10.89
10	11.65	12.35	12.13	12.15	12.32	12.37	12.53	12.46	12.28	11.60	11.20	10.80
15	12.08	12.29	12.20	12.05	12.27	12.38	12.64	12.71	12.17	11.49	11.15	10.71
20	12.19	12.22	12.34	11.99	12.32	12.33	12.53	12.68	12.01	11.43	11.19	10.83
25	12.55	12.15	12.29	11.94	12.30	12.32	12.42	12.57	11.87	11.41	11.12	10.73
EOM	12.47	12.27	12.24	12.29	12.27	12.42	12.44	12.44	11.74	11.42	10.99	10.71
WTR YR 2002	MEAN 12.00		MAX 12.73	MIN 10.67								

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 17.42 ft Mar. 22, 1982; minimum stage, 8.58 ft Sept. 22 and 23, 1994.

[illegible]

WABASH RIVER BASIN

03331460 LOST LAKE AT CULVER, IN

LOCATION.--Lat 41°12'01", long 86°25'19", in NE¹/₄NW¹/₄NW¹/₄ sec.28, T.32 N., R.1 E., Marshall County, Hydrologic Unit 05120106 (CULVER, IN quadrangle). The gage is on the northern shore of the lake at the east end of West 19th Road (lake access road), 1.1 mi south of the center of Culver.

SURFACE AREA.--40 acres.

DRAINAGE AREA.--14.2 mi².

PERIOD OF RECORD.--1954-64, 1963-74, 1976 to current year. (Formerly published as Hawks Lake near Culver.)

DATUM OF GAGE.--720.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--12.00 ft gage datum or 732.00 ft above National Geodetic Vertical Datum of 1929 as decreed on February 17, 1960, by the Marshall County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam and sill with removable boards in the outlet channel approximately 850 ft downstream from the main body of the lake.

INLET AND OUTLET.--The one inlet flows into the lake from Maxinkuckee Lake and enters on the north shore. The outlet flows from the south end of the lake to the Tippecanoe River 3.7 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 13.05 ft June 15, 1981; minimum stage, 10.12 ft July 9, 1959.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.57	12.62	12.07	11.96	12.20	12.26	12.43	12.29	12.29	12.07	12.03	12.16
10	12.64	12.64	11.97	11.96	12.17	12.37	12.50	12.36	12.24	12.04	12.23	12.27
15	12.63	12.73	12.03	11.95	12.16	12.37	12.47	12.36	12.21	12.00	12.57	12.22
20	12.13	11.98	12.05	11.94	12.25	12.34	12.31	12.32	12.14	12.15	12.55	12.30
25	12.72	11.97	12.03	11.94	12.24	12.31	12.27	12.32	12.34	12.61	11.97	12.20
EOM	12.45	12.07	11.98	12.16	12.22	12.36	12.30	12.28	12.26	12.15	12.07	12.17
WTR YR 2002	MEAN 12.25	MAX 12.82	MIN 11.85									

WABASH RIVER BASIN

03328400 LUKENS LAKE NEAR DISKO, IN

LOCATION.--Lat 40°58'09", long 85°56'06", in SW¹/₄NW¹/₄NE¹/₄ sec.14, T.29 N., R.5 E., Wabash County, Hydrologic Unit 05120104 (ROANN, IN quadrangle). The gage is 25 ft north of the outlet on the southwest side of the lake, 4.1 mi north of Roann.

SURFACE AREA.--46 acres.

DRAINAGE AREA.--1.76 mi².

PERIOD OF RECORD.--1948-49, 1959 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--760.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage in one section is driven into the lake bed about 5 ft upstream from the outlet culvert.

ESTABLISHED LEGAL LEVEL.--3.60 ft gage datum or 763.60 ft above the sea level as decreed on March 29, 1978, by the Wabash County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by two 18-inch corrugated metal culverts at the outlet.

INLET AND OUTLET.--The principal inlet is a tile drain from McColley Lake, 0.5 mi to the north. The outlet flows from the southwestern shore, into Bolley Ditch 0.7 mi downstream, thence into Squirrel Creek, and eventually into Eel River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 5.10 ft May 16, 1968; minimum stage, 2.32 ft Oct. 12, 1983.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.07	4.23	4.06	3.79	4.08	3.88	4.03	4.06	3.93	3.49	3.27	3.06
10	3.98	4.22	4.07	3.78	4.03	4.01	4.12	---	3.81	3.45	3.18	3.00
15	4.34	4.09	4.19	3.75	3.93	3.98	4.10	4.15	3.78	3.35	3.19	2.98
20	4.18	3.92	4.23	3.74	3.98	3.94	4.02	4.06	3.70	3.29	3.24	3.08
25	4.26	3.87	4.02	3.72	3.91	4.01	4.08	4.04	3.62	3.27	3.21	3.05
EOM	4.17	4.08	3.87	4.19	3.87	4.11	4.17	3.99	3.58	3.31	3.13	3.05

STREAMS TRIBUTARY TO LAKE MICHIGAN

499

04100280 MUNCIE LAKE NEAR BURR OAK, IN

LOCATION.--Lat 41°19'37", long 85°27'28", in NE¹/₄SW¹/₄ sec.11, T.33 N., R.9 E., Noble County, Hydrologic Unit 04050001 (MERRIAM, IN quadrangle). The gage is on the southwest shore of the lake, just north of the gravel road on the Addis farm, and 1.3 mi northwest of Burr Oak.

SURFACE AREA.--47 acres.

DRAINAGE AREA.--42.8 mi².

PERIOD OF RECORD.--1954 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--880.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--Not established.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by the outlet channel.

INLET AND OUTLET.--There are three inlets to the lake. Forker Creek flows into the lake from the east, Brown Ditch from the southeast, and Carrol Creek from the west. The outlet flows from the northwest shore into Williams Lake, then into the South Branch of the Elkhart River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 9.47 ft Mar. 24, 25, 1978, Feb. 25, 26, 1985; minimum stage, 1.88 ft Aug. 8, 1988.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.93	4.20	4.81	3.25	5.96	4.20	5.82	4.11	4.25	3.33	2.95	2.93
10	3.01	3.67	3.95	3.22	4.64	5.45	5.93	4.67	4.06	3.25	2.89	2.90
15	6.60	3.43	4.72	3.21	3.81	4.77	5.65	6.32	3.81	3.13	2.96	2.91
20	6.12	3.29	5.71	3.13	3.71	3.95	5.07	5.11	3.65	3.07	3.03	3.07
25	6.54	3.56	4.53	3.13	3.74	3.60	4.63	4.29	3.55	3.00	3.04	2.99
EOM	4.99	4.97	3.56	5.03	3.62	5.47	4.49	4.13	3.53	3.06	2.96	3.00

WTR YR 2002 MEAN 4.04 MAX 6.94 MIN 2.71

STREAMS TRIBUTARY TO LAKE MICHIGAN

04099700 NORTH TWIN LAKE NEAR HOWE, IN

LOCATION.--Lat 41°43'45", long 85°27'49", in SE¹/₄SW¹/₄ sec.23, T.38 N., R.9 E., Lagrange County, Hydrologic Unit 04050001 (LAGRANGE, IN quadrangle). The gage is in the channel between North and South Twin Lakes, 100 ft upstream from the county road bridge, and 2.2 mi northwest of Howe.

SURFACE AREA.--135 acres.

DRAINAGE AREA.--1.54 mi².

PERIOD OF RECORD.--1953 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--840.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A staff gage is attached to the east concrete retaining wall of the control dam.

ESTABLISHED LEGAL LEVEL.--3.56 ft gage datum or 843.56 ft above National Geodetic Vertical Datum of 1929 as decreed on September 11, 1959, by the Lagrange County Circuit Court. South Twin Lake near Howe has the same established level and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--Prior to October 1, 1982, the low water control was a fixed-crest dam with removable boards at the upstream end of the channel between the two lakes. At high stages the outlet channel of South Twin Lake was the control. After October 1, 1982, a concrete dam with a fixed crest was installed in the outlet of South Twin Lake. This is now the control structure for both North and South Twin Lakes, although the original structure is still in place.

INLET AND OUTLET.--There are two inlets to the lake. One enters at the southeast shore from Still Lake 0.9 mi upstream, and the other, which drains the adjacent marsh land, enters on the northwest shore. The outlet flows from the southwest shore and into South Twin Lake approximately 200 ft downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 5.20 ft Feb. 26, 1985; minimum stage, 2.97 ft Aug. 20, 1964.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.49	3.62	3.56	3.60	3.60	3.56	3.60	3.70	3.74	3.45	---	---
10	3.52	3.64	3.56	3.62	3.60	3.60	3.64	3.76	3.68	---	---	3.42
15	3.56	3.62	3.54	3.60	3.58	3.60	3.64	3.86	3.66	---	---	---
20	3.64	3.60	3.50	3.60	3.58	3.58	3.68	3.84	3.56	---	---	---
25	3.68	3.60	3.48	---	3.56	3.58	3.70	3.80	3.54	---	---	---
EOM	3.64	3.58	3.46	3.58	3.56	3.60	3.70	3.76	3.45	---	---	3.38

WABASH RIVER BASIN

03331400 NYONA LAKE NEAR GREENOAK, IN

LOCATION.--Lat 40°57'40", long 86°11'20", in SE¹/₄SE¹/₄NE¹/₄ sec.16, T.29 N., R.3 E., Fulton County, Hydrologic Unit 05120106 (MACY, IN quadrangle). The gage is on the northwest shore of the southern lobe of the lake, at the public access site, and 2.4 mi south of Greenoak.

SURFACE AREA.--104 acres.

DRAINAGE AREA.--7.59 mi².

PERIOD OF RECORD.--1946 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--790.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--3.91 ft gage datum or 793.91 ft above National Geodetic Vertical Datum of 1929 as decreed on September 27, 1948, by the Fulton County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with a fixed crest.

INLET AND OUTLET.--The lake is fed by two small ditches entering from the east and northeast. The outlet flows from the lake at the southwest corner and into Mud Creek, which eventually joins the Tippecanoe River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 6.13 ft Aug. 18, 1990; minimum stage, 2.98 ft Oct. 12-19, 25, 26, 1953.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.87	4.28	4.14	4.07	4.18	4.18	---	4.35	3.88	4.11	3.89	4.18
10	3.83	4.22	4.03	4.12	4.18	4.19	4.43	4.18	3.96	4.08	4.17	4.19
15	4.40	4.17	4.28	4.14	4.19	4.19	4.50	3.90	3.95	4.13	4.15	4.20
20	4.02	4.12	4.27	4.13	4.18	4.19	4.60	4.06	4.04	4.13	4.10	3.92
25	4.33	4.11	4.18	4.15	4.18	---	4.56	4.06	4.06	4.14	4.13	4.15
EOM	4.30	4.36	4.09	4.17	4.19	---	4.34	4.05	4.08	3.87	4.17	4.13

WABASH RIVER BASIN

03371700 OGLE LAKE NEAR NASHVILLE, IN

LOCATION.--Lat 39°09'35", long 86°14'54", in NE¹/₄SE¹/₄NE¹/₄ sec.1, T.8 N., R.2 E., Brown County, Hydrologic Unit 05120208 (NASHVILLE, IN quadrangle). The gage is on the dam, near the concrete intake structure of the Water Treatment Plant on the west side of the lake, 3.3 mi south of Nashville.

SURFACE AREA.--20 acres.

DRAINAGE AREA.--1.03 mi².

PERIOD OF RECORD.--1954 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--710.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--Not established.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete flood spillway with a fixed crest.

INLET AND OUTLET.--Two ditches enter the lake, one from the east and one from the southeast. The outlet flows into Upper Schooner Creek, which joins Lower Schooner Creek, then flows into the North Fork of Salt Creek. The North Fork of Salt Creek empties into Monroe Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 6.80 ft June 23, 1960; minimum stage, -2.70 ft Feb. 12, 13, 1977.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.74	4.55	4.61	4.56	4.62	4.66	4.65	4.61	4.58	4.30	3.54	2.76
10	3.66	4.54	4.60	4.57	4.62	4.74	4.66	4.71	4.54	4.20	3.33	2.65
15	4.52	4.52	4.72	4.56	4.58	4.70	4.73	4.69	4.53	4.03	3.20	2.59
20	4.59	4.51	4.66	4.56	4.66	4.79	4.63	4.58	4.42	3.98	3.16	2.74
25	4.72	4.56	4.61	4.59	4.64	4.81	4.78	4.62	4.29	3.86	3.07	2.64
EOM	4.57	4.80	4.58	4.93	4.65	4.65	4.68	4.60	4.41	3.69	2.94	2.71

WTR YR 2002 MEAN 4.27 MAX 5.29 MIN 2.51

04100100 OLIVER LAKE NEAR VALENTINE, IN

LOCATION.--Lat 41°34'37", long 85°24'44", in SE¹/₄SW¹/₄NE¹/₄ sec.18, T.36 N., R.10 E., Lagrange County, Hydrologic Unit 04050001 (OLIVER LAKE, IN quadrangle). The gage is at the public access site on the northwest side of the lake, and 1.6 mi southwest of Valentine.

SURFACE AREA.--362 acres.

DRAINAGE AREA.--11.1 mi².

PERIOD OF RECORD.--1945 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--889.78 ft above National Geodetic Vertical Datum of 1929 as corrected on the basis of levels of Indiana Department of Natural Resources, 1975-76.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to the dam in the outlet.

ESTABLISHED LEGAL LEVEL.--9.45 ft gage datum or 899.45 ft above National Geodetic Vertical Datum of 1929 as decreed on September 29, 1952, by the Lagrange County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 9.45 ft gage datum or 899.23 ft above National Geodetic Vertical Datum of 1929. Martin and Olin Lakes near Valentine have the same established level as Oliver Lake and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a fixed sill and dam with movable boards.

INLET AND OUTLET.--The lake has several inlets. Dove Creek enters on the northwest, the outlet of Holsinger Hole on the north, Hart Ditch on the east, and the channel between Oliver and Olin Lakes on the southeast shore. The Oliver Lake outlet flows from the southwest lobe of the lake, through a wetland, into Hackenburg Lake 1.6 mi downstream, and eventually into the North Branch of the Elkhart River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 11.77 ft June 14, 1981; minimum stage, 8.42 ft Jan. 18, 19, and Feb. 3-5, 1961.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.51	9.62	9.69	9.48	9.80	9.63	9.76	9.55	9.69	9.37	9.43	9.28
10	9.49	9.57	9.60	9.50	9.63	9.82	9.80	9.64	9.56	9.39	9.34	9.23
15	9.80	9.57	9.66	9.52	9.57	9.64	9.68	10.35	9.51	9.34	9.33	9.19
20	9.68	9.56	9.67	9.51	9.66	9.59	9.66	9.96	9.47	9.38	9.34	9.26
25	9.79	9.77	9.58	9.52	9.62	9.57	9.58	9.65	9.46	9.33	9.37	9.21
EOM	9.64	9.84	9.50	10.00	9.60	9.68	9.58	9.61	9.41	9.49	9.32	9.25

WTR YR 2002 MEAN 9.56 MAX 10.59 MIN 9.18

WABASH RIVER BASIN

03331180 PALESTINE LAKE AT PALESTINE, IN

LOCATION.--Lat 41°10'48", long 85°56'54", in NE¹/₄NE¹/₄SW¹/₄ sec.33, T.32 N., R.5 E., Kosciusko County, Hydrologic Unit 05120106 (BURKET, IN quadrangle). The gage is near the extreme northwestern corner of the lake, at the public access site, in the town of Palestine.

SURFACE AREA.--290 acres.

DRAINAGE AREA.--32.4 mi².

PERIOD OF RECORD.--1954 to October 1, 2002 (discontinued).

DATUM OF GAGE.--815.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--1.62 ft gage datum or 816.62 ft above National Geodetic Vertical Datum of 1929 as decreed on August 5, 1965, by the Kosciusko County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by an old mill dam of stone and concrete (fixed crest) at the west lobe of the far northern shore.

INLET AND OUTLET.--There are four inlets to the lake. Magee Ditch enters from the north, Williamson Ditch from the west and the confluence of Adams and Sloan Ditches from the southeast. Trimble Creek flows through the lake, entering on the extreme southeastern end, leaving at the northwestern lobe and flowing into the Tippecanoe River 7.5 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 4.35 ft June 13, 1981; minimum stage, below -0.90 ft, lake drained, 1988.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	1.90	2.05	2.03	2.14	2.03	1.97	1.83	1.79	1.76
10	---	---	1.94	1.90	1.96	2.33	2.32	2.11	1.93	1.83	1.77	1.71
15	---	---	2.14	1.90	1.93	2.03	2.18	2.18	1.91	1.79	1.80	1.69
20	---	---	2.10	1.88	2.02	2.00	2.07	2.04	1.91	1.80	1.83	1.79
25	---	---	1.96	1.89	1.98	2.00	2.03	1.99	1.91	1.76	1.83	1.77
EOM	---	---	1.90	2.51	1.95	2.35	2.07	1.97	1.84	1.84	1.79	1.77

WABASH RIVER BASIN

03331040 PIKE LAKE AT WARSAW, IN

LOCATION.--Lat 41°15'44", long 85°51'00", in NE¹/₄NW¹/₄NE¹/₄ sec.5, T.32 N., R.6 E., Kosciusko County, Hydrologic Unit 05120106 (LEESBURG, IN quadrangle). The gage is on the extreme northwestern point of the lake at the bridge over the outlet, 1.6 mi north of Warsaw.

SURFACE AREA.--203 acres.

DRAINAGE AREA.--41.5 mi².

PERIOD OF RECORD.--1954 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--800.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well attached to the upstream abutment of the control structure.

ESTABLISHED LEGAL LEVEL.--5.64 ft gage datum or 805.64 ft above National Geodetic Vertical Datum of 1929 as decreed on December 12, 1963, by the Kosciusko County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with a fixed crest and removable boards.

INLET AND OUTLET.--The one inlet, Deeds Creek, flows from Little Chapman Lake 3.4 mi upstream, and enters the lake on the lower northern shore. The outlet flows to the west from the extreme northern end of the lake through Lones Ditch and enters the Tippecanoe River 0.9 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 10.79 ft Oct. 15, 1954; minimum stage, 3.71 ft Sept. 21, 22, 1955.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.97	6.19	5.49	5.72	6.25	5.80	6.44	6.10	6.03	5.75	5.69	5.63
10	4.90	5.78	5.47	5.12	5.96	6.49	6.96	6.36	5.93	5.74	5.65	5.69
15	6.83	5.48	5.78	5.00	5.67	5.99	6.82	7.23	5.95	5.69	5.68	5.64
20	7.23	5.16	6.15	4.95	5.67	5.75	6.44	6.95	5.86	5.69	5.74	5.76
25	7.63	5.04	5.87	4.93	5.51	5.55	6.18	6.35	5.84	5.71	5.69	5.67
EOM	6.70	5.49	5.80	5.93	5.47	6.25	6.10	6.08	5.81	5.77	5.63	5.68

WTR YR 2002 MEAN 5.88 MAX 7.64 MIN 4.84

ILLINOIS RIVER BASIN

05515220 PINE LAKE AT LAPORTE, IN

LOCATION.--Lat 41°37'01", long 86°44'58", in NE¹/₄SE¹/₄NW¹/₄ sec.34, T.37 N., R.3 W., LaPorte County, Hydrologic Unit 07120001 (LAPORTE EAST, IN quadrangle). The gage is at the highway bridge over the channel connecting Pine and Stone Lakes, on Waverly Beach Road, in LaPorte.

SURFACE AREA.--564 acres.

DRAINAGE AREA.--10.7 mi².

PERIOD OF RECORD.--1946-75, 1980 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--780.00 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1964, the datum of the gage was 790.00 ft. All levels given below are at the present datum.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is driven into the channel bed at the same site.

ESTABLISHED LEGAL LEVEL.--16.20 ft gage datum or 796.20 ft above National Geodetic Vertical Datum of 1929, as decreed on August 31, 1949, by the LaPorte County Circuit Court. Stone Lake at LaPorte has the same established level and hence the same lake levels during the periods of record when the channel between the two lakes is open and flowing, water years 1946-63 and 1968-85.

LAKE-LEVEL CONTROL.--Pine and Stone Lakes form a closed basin; however, there is a capability of pumping water from the lakes into the Little Kankakee River during times of high water.

INLET AND OUTLET.--Kabelin Ditch enters Pine Lake from the northwest through a large drain tile. Pine Lake is connected to Stone Lake by a channel on the southern tip.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 20.98 ft June 2, 3, 1993; minimum stage, 9.00 ft Nov. 14, 1964.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.65	17.14	17.09	17.00	17.16	17.40	17.55	17.72	17.97	17.68	17.38	16.97
10	16.59	17.11	17.04	17.02	17.13	17.54	17.67	17.81	17.93	17.58	17.23	16.91
15	16.95	17.09	17.05	17.00	17.10	17.53	17.66	18.03	17.89	17.45	17.19	16.80
20	17.01	17.06	17.07	16.99	17.22	17.51	17.75	18.03	17.81	17.37	17.17	16.79
25	17.14	17.04	17.06	16.99	17.24	17.49	17.74	18.04	17.85	17.42	17.13	16.70
EOM	17.06	17.08	17.01	17.15	17.26	17.50	17.76	18.02	17.78	17.37	17.02	16.64

WTR YR 2002 MEAN 17.31 MAX 18.08 MIN 16.50

05515800 RIDDLES LAKE NEAR LAKEVILLE, IN

LOCATION.--Lat 41°30'19", long 86°15'31", in NW¹/₄NE¹/₄ sec.11, T.35 N., R.2 E., St. Joseph County, Hydrologic Unit 07120001 (LAKEVILLE, IN quadrangle). The gage is on the east side of the lake, about 1.4 mi southeast of Lakeville.

SURFACE AREA.--77 acres.

DRAINAGE AREA.--11.7 mi².

PERIOD OF RECORD.--1946-71, 1976 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--810.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to a wingwall of the control dam.

ESTABLISHED LEGAL LEVEL.--7.50 ft gage datum or 817.50 ft above National Geodetic Vertical Datum of 1929 as decreed on July 3, 1953, by the St. Joseph County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a steel and concrete dam with a fixed crest. Boards may be added to raise the water level.

INLET AND OUTLET.--Heston Ditch flows through the lake, entering on the northern shore and leaving on the southern. The outflow eventually enters Yellow River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 11.49 ft Apr. 5, 1950; minimum stage, 6.40 ft July 25-31, Aug. 1- 9, 22-31, Sept. 1-30, 1971.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.97	7.12	---	---	7.28	7.24	7.30	7.14	7.16	6.95	7.12	6.90
10	6.94	7.09	---	---	7.21	7.42	7.35	7.26	7.12	6.94	7.06	6.86
15	7.21	7.10	---	---	7.17	7.26	7.18	7.37	7.13	6.86	7.03	6.79
20	7.13	7.07	---	---	7.33	7.18	7.33	7.22	7.08	6.93	7.03	6.85
25	7.17	7.09	---	---	7.21	7.16	7.26	7.15	7.08	7.08	7.01	6.81
EOM	7.09	---	---	---	7.18	7.25	7.20	7.12	7.04	7.23	6.94	6.79

WABASH RIVER BASIN

03330300 RIDINGER LAKE NEAR PIERCETON, IN

LOCATION.--Lat 41°15'07", long 85°39'34", in SW¹/₄SW¹/₄SE¹/₄ sec.1, T.32 N., R.7 E., Kosciusko County, Hydrologic Unit 05120106 (NORTH WEBSTER, IN quadrangle). The gage is on the inlet channel, attached to the Adams Road bridge, 0.4 mi upstream from the lake and 4.4 mi northeast of Pierceton.

SURFACE AREA.--136 acres.

DRAINAGE AREA.--34.6 mi².

PERIOD OF RECORD.--1943 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--840.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well attached to the right downstream wingwall of the bridge. An auxiliary staff gage in two sections is at the control dam.

ESTABLISHED LEGAL LEVEL.--3.12 ft gage datum or 843.12 ft above National Geodetic Vertical Datum of 1929, as decreed on April 11, 1949, by the Kosciusko County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with a fixed crest and a sluice-way with a steel gate for controlling high water. The dam is located in the outlet, 300 ft downstream from the lake.

INLET AND OUTLET.--Grassy Creek flows through the lake, entering at the southwestern end. Grassy Creek is formed 1.5 mi upstream by the outlet of Robinson Lake and Cedar Lake Branch. Grassy Creek leaves the lake at the northwestern end and flows into Big Barbee Lake, 3.5 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 9.01 ft Feb. 24, 1985; minimum stage, 1.35 ft Jan. 17-19, 1944.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.94	2.83	2.95	2.86	3.11	2.97	3.18	2.91	2.84	2.54	2.53	2.53
10	2.83	2.76	2.80	2.69	2.87	3.61	3.45	3.18	2.69	2.55	2.50	2.49
15	4.18	2.74	3.39	2.69	2.76	2.95	3.15	3.36	2.67	2.53	2.53	2.48
20	3.25	2.72	3.22	2.66	3.03	2.81	3.13	2.95	2.60	2.53	2.57	2.62
25	3.77	3.00	2.88	2.66	2.87	2.80	2.95	2.82	2.66	2.53	2.53	2.48
EOM	2.94	3.80	2.86	4.27	2.79	3.61	3.07	2.82	2.57	2.59	2.49	2.49

WTR YR 2002 MEAN 2.89 MAX 4.76 MIN 2.48

WABASH RIVER BASIN

03330460 SAWMILL LAKE NEAR NORTH WEBSTER, IN

LOCATION.--Lat 41°17'22", long 85°42'52", in NE¹/₄SW¹/₄NE¹/₄ sec.28, T.33 N., R.7 E., Kosciusko County, Hydrologic Unit 05120106 (NORTH WEBSTER, IN quadrangle). The gage is near the southeastern corner of the county road bridge over the channel between Big Barbee Lake and Little Barbee Lake, 2.6 mi southwest of North Webster.

SURFACE AREA.--36 acres.

DRAINAGE AREA.--51.8 mi².

PERIOD OF RECORD.--1945-1970, 1972 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--830.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to the stilling well.

ESTABLISHED LEGAL LEVEL.--7.50 ft gage datum or 837.50 ft above National Geodetic Vertical Datum of 1929 as decreed on October 18, 1949, by the Kosciusko County Circuit Court. All lakes in the Barbee Chain have the same established level and hence the same lake levels for the period of record. The lakes are as follows: Kuhn, Big Barbee, Little Barbee, Irish, Banning, Sechrist and Sawmill.

LAKE-LEVEL CONTROL.--The level of the lakes is controlled by a concrete dam with a fixed crest, located 600 ft upstream of the County Road 500 North bridge over the outlet of Sawmill Lake.

INLET AND OUTLET.--There are four inlets to the Barbee Chain. Grassy Creek flows into Big Barbee Lake at the southeastern side. The outlet of Heron Lake flows into Kuhn Lake from the north. Puntney Ditch enters Little Barbee Lake from the south. The outlet from Shoe Lake flows into Banning Lake on the northeastern shore. The outlet, Grassy Creek, leaves Sawmill Lake at the northwestern tip and flows into Tippecanoe Lake 1.7 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 10.53 ft Mar. 20, 1982; minimum stage, 5.45 ft Jan. 29-31, Feb. 1-28, Mar. 1, 2, 1978.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.41	7.87	7.84	7.47	8.24	7.77	8.21	7.84	7.81	7.30	7.29	7.21
10	7.44	7.59	7.62	7.45	7.81	8.13	8.34	7.99	7.64	7.31	7.19	7.18
15	8.85	7.52	7.83	7.45	7.60	7.89	8.26	8.91	7.54	7.25	7.19	7.13
20	8.84	7.47	8.20	7.43	7.62	7.65	8.07	8.54	7.42	7.24	7.30	7.24
25	8.93	7.49	7.82	7.44	7.67	7.58	7.93	8.12	7.45	7.24	7.33	7.16
EOM	8.27	7.84	7.56	7.96	7.61	8.04	7.95	7.91	7.39	7.33	7.24	7.17

WTR YR 2002 MEAN 7.70 MAX 9.09 MIN 7.11

WABASH RIVER BASIN

03331120 SHERBURN LAKE NEAR PIERCETON, IN

LOCATION.--Lat 41°09'40", long 85°44'43", in SE¹/₄SE¹/₄SE¹/₄ sec.4, T.31 N., R.7 E., Kosciusko County, Hydrologic Unit 05120106 (PIERCETON, IN quadrangle). The gage is at the extreme northern end of the lake on the outlet channel just south of County Road 500 South, 3.4 mi southwest of Pierceton.

SURFACE AREA.--15 acres.

DRAINAGE AREA.--5.51 mi².

PERIOD OF RECORD.--1954 to Oct. 1, 2002 (discontinued). (Formerly published as Johnson Lake near Pierceton.)

DATUM OF GAGE.--870.00 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1980, the datum of the gage was 880.00 ft. All levels listed below are at the present datum.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is driven into the lake bed just south of the western lobe of the lake, 400 ft south of County Road 500 South on the first drive west of the outlet.

ESTABLISHED LEGAL LEVEL.--11.00 ft gage datum or 881.00 ft above National Geodetic Vertical Datum of 1929 as decreed on December 19, 1974, by the Kosciusko County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by the invert of the culvert under the first east-west road north of the lake.

INLET AND OUTLET.--The one inlet flows from Sellers Lake 0.35 mi upstream. The outlet flows from the northern shore through Wyland Ditch and into Winona Lake 6.7 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 15.34 ft Dec. 30, 1990; minimum stage, 8.60 ft Sept. 27, 1999.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.11	10.19	10.38	9.59	11.10	10.54	11.04	10.54	9.71	9.16	9.29	8.96
10	9.40	9.89	9.94	9.52	10.28	11.50	11.39	10.65	9.49	9.15	9.09	8.91
15	11.88	9.55	10.77	9.51	9.73	10.66	11.05	11.47	9.48	9.04	9.05	8.86
20	11.18	9.51	11.28	9.30	10.18	10.15	10.19	10.66	9.31	9.05	9.22	8.98
25	12.03	9.86	10.45	9.37	10.15	9.88	10.02	9.99	9.21	9.40	9.14	8.96
EOM	10.63	10.51	9.86	11.62	9.99	11.48	10.58	10.10	9.25	9.58	9.02	8.99

WTR YR 2002 MEAN 9.98 MAX 12.25 MIN 8.85

LOCATION.--Lat 41°40'53", long 85°36'03", in SE¹/₄NE¹/₄ sec.9, T.37 N., R.8 E., Lagrange County, Hydrologic Unit 04050001 (SHIPSHEWANA, IN quadrangle). The gage is on the south shore of the lake at the public access site, 1.1 mi northwest of Shipshewana.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 3.33 ft Mar. 20, 1982; minimum stage, 1.39 ft Sept. 19-22, 1955.

[illegible]

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 12.99 ft May 16-18, 2002; minimum stage, 10.46 ft Sept. 9, 10, 2000.

[illegible]

WABASH RIVER BASIN

03327650 SHRINER LAKE AT TRI-LAKES, IN

LOCATION.--Lat 41°14'37", long 85°26'24", in SE¹/₄SW¹/₄NW¹/₄ sec.12, T.32 N., R.9 E., Whitley County, Hydrologic Unit 05120104 (COLUMBIA CITY, IN quadrangle). The gage is at the head of outlet channel at the east end of the lake, 6.2 mi northeast of Columbia City.

SURFACE AREA.--111 acres.

DRAINAGE AREA.--0.94 mi².

PERIOD OF RECORD.--1943-74, 1976-78, 1980 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--900.19 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage in one section is attached to the concrete head wall at the outlet.

ESTABLISHED LEGAL LEVEL.--7.04 ft gage datum or 907.04 ft above National Geodetic Vertical Datum of 1929 as decreed on May 22, 1949, by the Whitley County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 7.04 ft gage datum or 907.23 ft above National Geodetic Vertical Datum of 1929.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam in the outlet channel 300 ft downstream of the lake.

INLET AND OUTLET.--A ditch from Catfish Lake, 650 ft upstream, enters at the extreme western end of the lake. Two small ditches enter on the southern shore. The outlet is a dredged channel at the eastern edge of the lake that empties into Round Lake 930 ft downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 8.26 ft Dec. 31, 1990; minimum stage, 5.44 ft Dec. 9-11, 23-30, 1944.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.66	7.06	6.95	6.74	7.10	6.92	7.21	7.00	7.00	6.63	6.35	6.12
10	6.67	6.90	6.86	6.73	6.96	7.11	7.30	7.07	6.91	6.58	6.23	6.07
15	7.41	6.82	7.02	6.70	6.86	7.04	7.28	7.30	6.86	6.47	6.28	5.99
20	7.21	6.76	7.11	6.67	6.88	6.97	7.14	7.12	6.80	6.40	6.30	6.07
25	7.37	6.77	6.94	6.67	6.85	6.95	7.04	7.06	6.76	6.31	6.29	5.97
EOM	7.14	7.05	6.81	7.14	6.83	7.16	7.05	6.97	6.72	6.41	6.19	5.99

WTR YR 2002 MEAN 6.79 MAX 7.47 MIN 5.96

WABASH RIVER BASIN

03328350 SILVER LAKE AT SILVER LAKE, IN

LOCATION.--Lat 41°04'49", long 85°54'29", in SE¹/₄SE¹/₄NE¹/₄ sec.1, T.30 N., R.5 E., Kosciusko County, Hydrologic Unit 05120104 (SILVER LAKE, IN quadrangle). The gage is located at the outlet channel on the east side of the lake, on the upstream side of the control structure and 1.1 mi northwest of the town of Silver Lake.

SURFACE AREA.--102 acres.

DRAINAGE AREA.--6.31 mi².

PERIOD OF RECORD.--1947 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--859.85 ft above National Geodetic Vertical Datum of 1929, as corrected on the basis of levels of Indiana Department of Natural Resources, 1974.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage in one section is attached to the dam.

ESTABLISHED LEGAL LEVEL.--1.73 ft gage datum or 861.73 ft above National Geodetic Vertical Datum of 1929 as decreed on September 20, 1948, by the Kosciusko County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 1.73 ft gage datum or 861.58 ft above National Geodetic Vertical Datum of 1929. North Little Lake at Silver Lake has the same established level and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a steel sheet piling dam with a fixed crest.

INLET AND OUTLET.--The outlet from North Little Lake enters from the north and two ditches enter from the east and southeast. The outlet leaves from the western side and flows into South Little Lake, then into Silver Creek, which joins Eel River 12 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 3.80 ft Dec. 10, 1966; minimum stage, -0.20 ft Sept. 21, 1959.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.59	1.63	1.62	1.62	1.68	1.63	1.69	1.68	1.70	1.41	1.44	1.35
10	1.60	1.60	1.57	1.62	1.61	1.80	1.82	1.72	1.59	1.37	1.35	1.30
15	1.95	1.59	1.74	1.60	1.56	1.64	1.75	1.77	1.55	1.30	1.40	1.22
20	1.74	1.56	1.74	1.59	1.66	1.59	1.63	1.67	1.51	1.30	1.47	1.35
25	1.92	1.57	1.62	1.52	1.62	1.59	1.61	1.63	1.48	1.40	1.47	1.30
EOM	1.67	1.79	1.62	2.09	1.59	1.83	1.69	1.64	1.46	1.53	1.40	1.30

WTR YR 2002 MEAN 1.59 MAX 2.14 MIN 1.20

STREAMS TRIBUTARY TO LAKE MICHIGAN

507

04099880 SIMONTON LAKE NEAR ELKHART, IN

LOCATION.--Lat 41°45'05", long 85°57'28", in NE¹/₄NE¹/₄NW¹/₄ sec.16, T.38 N., R.5 E., Elkhart County, Hydrologic Unit 04050001 (ELKHART, IN quadrangle). The gage is on the southern shore between the two large lobes of the lake, at the public access site, 4.5 mi north of the main Post Office in Elkhart.

SURFACE AREA.--303 acres.

DRAINAGE AREA.--7.44 mi².

PERIOD OF RECORD.--1946 to current year.

DATUM OF GAGE.--770.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--2.19 ft gage datum or 772.19 ft above National Geodetic Vertical Datum of 1929 as decreed on September 25, 1950, by the Elkhart County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by the outlet channel.

INLET AND OUTLET.--Two small drainage ditches enter the lake on the eastern shore. The outlet, Osolo Township Ditch, flows from the lake at the southeastern tip and into the St. Joseph River, 4.0 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 3.42 ft Feb. 24, 1985; minimum stage, 1.36 ft Sept. 7, 1946.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.67	3.00	2.98	2.93	2.99	3.01	2.97	---	---	2.71	2.45	2.18
10	2.64	2.97	2.95	2.92	2.97	3.02	3.01	---	---	2.75	2.33	2.10
15	2.90	2.98	2.99	2.91	2.94	3.01	2.98	---	2.91	2.64	2.34	2.01
20	2.95	2.96	2.97	2.90	3.00	2.98	2.96	---	2.88	2.59	2.40	2.11
25	2.98	2.95	2.96	2.89	2.98	2.96	2.92	---	2.88	2.50	2.38	2.04
EOM	2.95	3.02	2.94	3.06	2.98	2.98	2.93	---	2.83	2.49	2.27	2.01

STREAMS TRIBUTARY TO LAKE MICHIGAN

04100300 SKINNER LAKE NEAR ALBION, IN

LOCATION.--Lat 41°24'12", long 85°22'37", in SE¹/₄SE¹/₄NW¹/₄ sec.16, T.34 N., R.10 E., Noble County, Hydrologic Unit 04050001 (ALBION, IN quadrangle). The gage is on the upstream side of the bridge over the outlet channel on the northwest lobe of the lake, and 2.5 mi northeast of Albion.

SURFACE AREA.--125 acres.

DRAINAGE AREA.--14.0 mi².

PERIOD OF RECORD.--1945-72, 1976 to October 1, 2002 (discontinued).

DATUM OF GAGE.--920.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is driven into the channel bed at the same site.

ESTABLISHED LEGAL LEVEL.--7.74 ft gage datum or 927.74 ft above National Geodetic Vertical Datum of 1929, as decreed on August 31, 1955, by the Noble County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a steel sheet piling dam with a fixed crest.

INLET AND OUTLET.--Rimmell Branch enters the lake on the southern shore, a small ditch enters on the southeast tip, and the outlet channel of Sweet Lake flows into the lake from the northeast. The outlet, Croft Ditch, flows from the lake on the south shore of the northwest lobe, and into the South Branch of the Elkhart River 5.6 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 12.60 ft Apr. 5, 1950; minimum stage, 6.14 ft Oct. 16, 17, 1946.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.84	7.94	7.98	7.88	8.09	8.03	8.23	7.95	7.99	7.78	7.73	7.64
10	7.84	7.93	7.91	7.85	7.97	8.44	8.45	8.21	7.91	7.79	7.66	7.60
15	8.45	7.87	8.28	7.86	7.93	8.01	8.18	8.32	7.86	7.75	7.69	7.55
20	8.07	7.85	8.13	7.84	8.02	7.94	8.16	8.01	7.85	7.78	7.76	7.69
25	8.34	7.93	7.95	7.86	7.96	7.93	7.98	7.95	7.85	7.73	7.74	7.64
EOM	7.97	8.42	7.92	8.81	7.93	8.44	8.01	7.90	7.83	7.76	7.69	7.69

WTR YR 2002 MEAN 7.96 MAX 9.54 MIN 7.53

03330140 SMALLEY LAKE NEAR WASHINGTON CENTER, IN

LOCATION.--Lat 41°18'52", long 85°35'04", in SW¹/₄NW¹/₄SE¹/₄ sec.15, T.33 N., R.8 E., Noble County, Hydrologic Unit 05120106 (ORMAS, IN quadrangle). The gage is located at the public access site on the south side of the outlet channel, 300 ft upstream from the first bridge over the outlet, and 0.9 mi southeast of Washington Center.

SURFACE AREA.--69 acres.

DRAINAGE AREA.--27.1 mi².

PERIOD OF RECORD.--1943 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--880.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 24-inch diameter stilling well. An auxiliary staff gage is driven into the channel bed.

ESTABLISHED LEGAL LEVEL.--Not established.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a riffle in the outlet channel 500 ft below the lake.

INLET AND OUTLET.--The Tippecanoe River flows through the lake, entering at the south end from Big Lake, 4.2 mi upstream, and flowing from the lake at the northwestern end into Baugher Lake, 1.2 mi downstream. Another inlet enters on the north shore from Gilbert Lake 0.9 mi upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 7.00 ft Mar. 24, 1978; minimum stage, 1.10 ft Aug. 7, 1963.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.78	3.18	3.49	2.33	4.00	3.04	4.12	3.01	2.34	1.96	2.12	2.29
10	2.95	2.93	2.93	2.30	2.91	3.91	4.31	3.29	2.17	2.14	1.91	2.36
15	5.09	2.69	3.60	2.28	2.55	3.28	4.30	4.50	2.03	2.23	1.87	2.39
20	4.30	2.54	4.11	2.22	2.64	2.72	3.80	3.35	1.93	2.32	2.05	2.59
25	4.72	3.10	3.10	2.20	2.76	2.56	3.52	2.63	1.84	2.29	2.17	2.53
EOM	3.47	3.83	2.55	3.53	2.61	3.92	3.48	2.54	1.80	2.27	2.24	2.58

WTR YR 2002 MEAN 2.88 MAX 5.18 MIN 1.77

STREAMS TRIBUTARY TO LAKE MICHIGAN

04099780 STONE LAKE NEAR SCOTT, IN

LOCATION.--Lat 41°44'32", long 85°39'03", in SE¹/₄SE¹/₄SW¹/₄ sec.18, T.38 N., R.8 E., Lagrange County, Hydrologic Unit 04050001 (MIDDLEBURY, IN quadrangle). The gage is on the southeast shore of the lake approximately 200 ft west of the intersection of County Road 1150 West and the lake access road, and 5.4 mi northeast of Middlebury.

SURFACE AREA.--152 acres.

DRAINAGE AREA.--1.51 mi².

PERIOD OF RECORD.--1954-71, 1975-76, 1978 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--810.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--8.76 ft gage datum or 818.76 ft above National Geodetic Vertical Datum of 1929 as decreed on July 28, 1966, by the Lagrange County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a fixed-crest concrete sill.

INLET AND OUTLET.--The inlet enters on the eastern end of the south shore from Brokesha Lake 0.2 mi upstream. The outlet flows from the lake at the northern shore.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 9.60 ft Apr. 16-30, 1969; minimum stage, 5.34 ft Nov. 26, 1964.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.92	7.50	7.51	7.53	7.78	7.93	8.01	8.02	8.53	8.22	7.66	7.04
10	7.33	7.46	7.50	7.53	7.76	8.07	8.11	8.14	8.52	8.32	7.40	7.01
15	7.62	7.46	7.61	7.51	7.75	7.92	8.03	8.31	8.43	8.16	7.26	6.94
20	7.49	7.45	7.63	7.52	7.92	7.89	8.21	8.32	8.36	8.11	7.26	6.96
25	7.57	7.43	7.59	7.52	7.82	7.87	8.06	8.33	8.43	8.02	7.22	7.17
EOM	7.46	7.73	7.55	8.12	7.83	7.98	8.05	8.35	8.33	7.80	7.11	7.08

WTR YR 2002 MEAN 7.76 MAX 8.55 MIN 6.94

STREAMS TRIBUTARY TO LAKE MICHIGAN

509

04100180 SYLVAN LAKE AT ROME CITY, IN

LOCATION.--Lat 41°29'53", long 85°22'38", in SE¹/₄SE¹/₄SW¹/₄ sec.9, T.35 N., R.10 E., Noble County, Hydrologic Unit 04050001 (ALBION, IN quadrangle). The gage is on the lake outlet on the extreme western end of the lake, and at the northern edge of Rome City.

SURFACE AREA.--669 acres.

DRAINAGE AREA.--33.8 mi².

PERIOD OF RECORD.--1943 to current year.

DATUM OF GAGE.--907.00 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1978, the datum of the gage was 910.00 ft. All levels listed below are at the present datum.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to the north downstream wall of the footbridge.

ESTABLISHED LEGAL LEVEL.--9.20 ft present gage datum or 916.20 ft above National Geodetic Vertical Datum of 1929 as decreed on June 14, 1951, by the Noble County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with movable gates.

INLET AND OUTLET.--Barr Lake, 0.2 mi upstream, empties into Sylvan Lake on the southeast shore of the northwest lobe. Oviatt Ditch and Henderson Lake Ditch both enter the lake on the extreme eastern end. The outlet flows from the lake at the western tip, into Jones Lake 2.8 mi downstream and eventually into the North Branch of the Elkhart River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 11.14 ft Aug. 22 and 23, 1996; minimum stage, below -.30 ft Oct. 3-9, and 16-18, 1994.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.15	9.47	9.53	9.31	9.97	9.53	10.10	9.41	9.45	9.11	9.04	9.01
10	9.14	9.35	9.41	9.27	9.64	9.79	10.13	9.61	9.34	9.11	8.99	8.99
15	9.91	9.29	9.56	9.27	9.47	9.71	9.95	10.27	9.25	9.05	9.03	8.98
20	9.91	9.27	9.80	9.26	9.46	9.52	9.72	9.92	9.20	9.07	9.10	9.15
25	9.89	9.31	9.57	9.25	9.45	9.44	9.51	9.55	9.26	9.02	9.14	9.09
EOM	9.62	9.52	9.38	9.68	9.44	9.71	9.47	9.38	9.21	9.09	9.06	9.12

WTR YR 2002 MEAN 9.42 MAX 10.34 MIN 8.98

STREAMS TRIBUTARY TO LAKE MICHIGAN

04100460 SYRACUSE LAKE AT SYRACUSE, IN

LOCATION.--Lat 41°25'26", long 85°44'59", in SW¹/₄SW¹/₄ sec.5, T.34 N., R.7 E., Kosciusko County, Hydrologic Unit 04050001 (LAKE WAWASEE, IN quadrangle). The gage is at the southwestern end of the lake, on the south abutment of the dam, and just west of the State Road 13 bridge in the town of Syracuse.

SURFACE AREA.--414 acres.

DRAINAGE AREA.--38.2 mi².

PERIOD OF RECORD.--1943 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--849.85 ft above National Geodetic Vertical Datum of 1929 as corrected on the basis of levels of Indiana Department of Natural Resources, 1973-74.

GAGE.--A water-stage recorder is installed in a concrete shelter over a stilling well in the south abutment of the control structure. Two auxiliary staff gages are at the site. One is attached to the upstream side of the south abutment and the other is bolted to the seawall just west of the bridge over the outlet.

ESTABLISHED LEGAL LEVEL.--8.87 ft gage datum or 858.87 ft above National Geodetic Vertical Datum of 1929 as decreed on September 20, 1948, by the Kosciusko County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 8.87 ft gage datum or 858.72 ft above National Geodetic Vertical Datum of 1929.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with two steel lift gates.

INLET AND OUTLET.--The one inlet is the outlet channel from Lake Wawasee on the southern shore of the lake. The outlet, Turkey Creek, flows from the lake at the southwest end and eventually into the Elkhart River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 10.15 ft Jan. 27, 28, 1950; minimum stage, 7.00 ft Nov. 19-21, 1953.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.64	8.97	8.83	8.79	9.03	9.10	9.00	8.62	9.05	8.84	8.64	8.40
10	8.55	8.93	8.75	8.65	9.07	9.16	9.07	8.61	9.07	8.88	8.54	8.32
15	8.87	8.89	8.80	8.57	9.13	9.13	9.02	8.87	8.98	8.79	8.52	8.27
20	8.97	8.86	8.89	8.49	9.17	9.05	8.99	8.88	8.94	8.76	8.53	8.35
25	9.04	8.77	8.86	8.49	9.16	8.97	8.85	8.87	8.97	8.69	8.54	8.28
EOM	9.01	8.81	8.79	8.82	9.16	8.90	8.76	8.92	8.94	8.70	8.48	8.26

WTR YR 2002 MEAN 8.81 MAX 9.18 MIN 8.26

03330480 TIPPECANOE LAKE AT OSWEGO, IN

LOCATION.--Lat 41°19'15", long 85°47'20", in NW¹/₄NE¹/₄NE¹/₄ sec.14, T.33 N., R.6 E., Kosciusko County, Hydrologic Unit 05120106 (LEESBURG, IN quadrangle). The gage is on the south side of the dam at the extreme southwest end of the lake, in the outlet channel, at Oswego.

SURFACE AREA.--768 acres.

DRAINAGE AREA.--113 mi².

PERIOD OF RECORD.--1943 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--830.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to the upstream side of the south abutment of the dam.

ESTABLISHED LEGAL LEVEL.--6.40 ft gage datum or 836.40 ft above National Geodetic Vertical Datum of 1929 as decreed on October 18, 1949, by the Kosciusko County Circuit Court. James Lake at Oswego and Oswego Lake at Oswego have the same established level and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with multiple slide gates on the outlet channel of the lake.

INLET AND OUTLET.--The lake has two principal inlets. The Tippecanoe River flows from Webster Lake, enters James Lake, and flows into Tippecanoe Lake on the eastern side. The outlet from the Barbee Chain of Lakes enters from the southeast. The outlet, the Tippecanoe River, leaves the lake on the southwestern side.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 9.43 ft May 21, 1943; minimum stage, 4.90 ft Feb. 13-17, 1963.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.68	7.13	6.70	6.14	7.17	6.39	7.33	6.71	6.48	6.70	6.69	6.61
10	6.57	6.61	6.59	5.90	7.10	6.66	7.54	6.87	6.57	6.55	6.60	6.57
15	7.45	6.27	6.50	5.83	6.79	6.89	7.60	7.75	6.69	6.59	6.58	6.50
20	7.92	6.09	7.02	5.77	6.50	6.71	7.44	7.64	6.60	6.59	6.67	6.62
25	7.88	6.00	7.10	5.78	6.41	6.42	7.26	7.17	6.69	6.59	6.58	6.62
EOM	7.56	6.27	6.61	6.14	6.34	6.51	7.09	6.61	6.66	6.66	6.66	6.62

WTR YR 2002 MEAN 6.73 MAX 7.92 MIN 5.75

STREAMS TRIBUTARY TO LAKE MICHIGAN

04100320 UPPER LONG LAKE NEAR WOLFLAKE, IN

LOCATION.--Lat 41°21'33", long 85°29'09", in NE¹/₄NE¹/₄SE¹/₄ sec.33, T.34 N., R.9 E., Noble County, Hydrologic Unit 04050001 (MERRIAM, IN quadrangle). The gage is on the northeast shore of the lake, at the northernmost boat slip, and 1.8 mi north-northeast of the town of Wolf Lake.

SURFACE AREA.--86 acres.

DRAINAGE AREA.--2.08 mi².

PERIOD OF RECORD.--1956 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--880.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is also located in the boat slip.

ESTABLISHED LEGAL LEVEL.--11.19 ft gage datum or 891.19 ft above National Geodetic Vertical Datum of 1929 as decreed on February 20, 1968, by Noble County Circuit Court.

LAKE-LEVEL CONTROL.--The lake level is controlled by a fixed-sill concrete dam.

INLET AND OUTLET.--There is one inlet that enters the lake from the eastern side. The outlet flows to the north through Dollar Lake, and eventually into the South Branch Elkhart River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 13.40 ft June 27, 1968; minimum stage, 9.95 ft May 11, 1970.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.44	11.54	11.55	11.41	11.86	11.82	11.52	11.49	11.64	11.37	11.39	11.36
10	11.49	11.48	11.47	11.41	11.74	12.08	11.60	11.59	11.56	11.42	11.34	11.36
15	11.91	11.47	11.63	11.42	11.63	11.68	11.54	11.74	11.53	11.38	11.40	11.34
20	11.68	11.46	11.65	11.40	11.71	11.41	11.55	11.62	11.49	11.39	11.48	11.48
25	11.81	11.64	11.49	11.41	11.72	11.40	11.45	11.60	11.46	11.38	11.45	11.40
EOM	11.57	11.77	11.42	11.87	11.70	11.54	11.47	11.62	11.42	11.42	11.38	11.40

WTR YR 2002 MEAN 11.53 MAX 12.12 MIN 11.31

03276800 VERSAILLES LAKE NEAR VERSAILLES, IN

LOCATION.--Lat 39°04'50", long 85°14'02", in NE¹/₄NE¹/₄SW¹/₄ sec.6, T.7 N., R.12 E., Ripley County, Hydrologic Unit 05090203 (MILAN, IN quadrangle). The gage is on the eastern side of the lake, on the downstream side of the bridge over Falling Timber Creek in Versailles State Park.

SURFACE AREA.--232 acres.

DRAINAGE AREA.--168 mi².

PERIOD OF RECORD.--1958 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--760.74 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder installed in an aluminum shelter over a 12-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--Not established.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete spillway dam with a movable gate.

INLET AND OUTLET.--The inlets are Laughery Creek, Falling Timber Creek, and Cedar Creek. The outlet is Laughery Creek, which flows southeasterly and empties into the Ohio River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 36.43 ft Jan. 21, 1959, as determined by the U.S. Geological Survey from high-water marks during an indirect measurement of discharge; minimum stage, 18.05 ft Apr. 12, 1970.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	29.28	29.31	29.54	29.47	29.48	29.53	29.41	32.18	30.86	29.16	28.98	29.00
10	29.25	29.27	29.50	29.46	29.43	29.63	29.54	32.18	29.41	29.17	28.85	28.91
15	29.86	29.26	29.89	29.49	29.36	29.54	29.98	29.68	29.50	29.13	28.81	28.83
20	29.38	29.28	29.70	29.30	29.66	30.85	29.90	29.42	29.30	29.13	29.20	28.84
25	30.35	29.30	29.73	29.70	29.40	29.99	32.18	29.87	29.25	29.10	29.14	28.80
EOM	29.35	30.92	29.52	30.38	29.44	29.49	32.18	29.50	29.21	29.06	29.07	29.22

WTR YR 2002 MEAN 29.69 MAX 33.89 MIN 28.79

STREAMS TRIBUTARY TO LAKE MICHIGAN

04100220 WALDRON LAKE NEAR COSPERVILLE, IN

LOCATION.--Lat 41°29'34", long 85°26'55", in SE¹/₄NW¹/₄NE¹/₄ sec.14, T.35 N., R.9 E., Noble County, Hydrologic Unit 04050001 (ALBION, IN quadrangle). The gage is on a dredged channel at the public access site west of County Road 125 West at Dukes Bridge, and 6.8 mi northwest of Albion.

SURFACE AREA.--216 acres.

DRAINAGE AREA.--134 mi².

PERIOD OF RECORD.--1948 to current year.

DATUM OF GAGE.--880.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary wire-weight gage is attached to the upstream side of Dukes Bridge.

ESTABLISHED LEGAL LEVEL.--5.55 ft gage datum or 885.55 ft above National Geodetic Vertical Datum of 1929 as decreed on May 6, 1968, by the Noble County Circuit Court. Jones, Steinbarger and Tamarack Lakes, all near Cosperville, have the same established level as Waldron Lake and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a fixed-crest concrete dam with removable boards.

INLET AND OUTLET.--The North Branch of the Elkhart River flows through the lake, entering through Jones Lake at the north and leaving at the west end of Waldron Lake. Another inlet enters at the southeast from Steinbarger Lake, 0.1 mi upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 10.16 ft Mar. 22, 1982; minimum stage, 4.44 ft Aug. 9-11, Sept. 14-17, 1964.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.75	6.50	6.40	5.81	7.30	6.57	7.54	6.52	6.86	5.64	5.70	5.56
10	5.76	6.10	6.16	5.63	7.11	7.11	7.86	6.62	6.66	5.50	5.59	5.46
15	6.55	5.81	6.34	5.57	6.74	7.11	7.80	8.03	6.40	5.60	5.58	5.36
20	6.89	5.60	6.80	5.48	6.54	6.83	7.46	8.09	6.20	5.63	5.67	5.47
25	7.06	5.80	6.60	5.44	6.49	6.52	7.09	7.62	6.13	5.68	5.71	5.62
EOM	6.81	6.23	6.16	6.33	6.42	6.85	6.82	7.00	5.98	5.76	5.64	5.69

WTR YR 2002 MEAN 6.33 MAX 8.15 MIN 5.33

ILLINOIS RIVER BASIN

05517600 WAUHOB LAKE NEAR VALPARAISO, IN

LOCATION.--Lat 41°32'02", long 87°02'42", in NW¹/₄NW¹/₄NW¹/₄ sec.31, T.36 N., R.5 W., Porter County, Hydrologic Unit 07120001 (CHESTERTON, in quadrangle). The gage is on the northwest shore of the lake, 4.7 mi north of Valparaiso.

SURFACE AREA.--21 acres.

DRAINAGE AREA.--0.40 mi².

PERIOD OF RECORD.--1946 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--790.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A staff gage in one section is driven into the lake bed, 75 ft from Arthur J. Knoblich's cottage. An auxiliary staff gage is 20 ft lakeward of the main gage.

ESTABLISHED LEGAL LEVEL.--Not established.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by the outlet channel.

INLET AND OUTLET.--The lake has one inlet entering on the northeast side from Mink Lake 0.3 mi upstream. The outlet flows from the southeast shore, southwesterly through a swamp to Canada Lake 0.3 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 11.40 Mar. 22, 23, 1998; minimum stage, 6.58 ft Sept. 17, 1964.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.27	10.92	10.47	10.20	10.43	10.54	10.67	10.72	10.61	10.05	9.66	9.34
10	10.31	10.78	10.41	10.21	10.40	10.90	10.84	10.82	10.50	9.95	9.54	9.24
15	10.79	10.64	10.39	10.18	10.34	10.80	10.82	11.26	10.40	9.83	9.48	9.18
20	11.10	10.58	10.38	10.16	10.39	10.69	10.80	11.12	10.30	9.74	9.48	9.16
25	11.10	10.50	10.34	10.15	10.45	10.60	10.77	11.00	10.17	9.77	9.48	9.25
EOM	10.93	10.49	10.26	10.30	10.45	10.58	10.81	10.79	10.15	9.70	9.38	9.20
WTR YR 2002	MEAN	10.31	MAX	11.26	MIN	9.14						

WABASH RIVER BASIN

03330240 WEBSTER LAKE AT NORTH WEBSTER, IN

LOCATION.--Lat 41°19'09", long 85°41'20", in NE¹/₄SW¹/₄NW¹/₄ sec.14, T.33 N., R.7 E., Kosciusko County, Hydrologic Unit 05120106 (NORTH WEBSTER, IN quadrangle). The gage is on the southwest side of the lake at the outlet, 0.3 mi northeast of the intersection of State Road 13 and County Road 550 North and approximately 0.6 mi southeast of the center of North Webster.

SURFACE AREA.--774 acres.

DRAINAGE AREA.--49.2 mi².

PERIOD OF RECORD.--1943 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--839.93 ft above National Geodetic Vertical Datum of 1929, as corrected on the basis of levels of Indiana Department of Natural Resources, 1973-74.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxillary staff gage in one section is bolted to the southeast face of the concrete wall of the approach channel to the control dam.

ESTABLISHED LEGAL LEVEL.--12.75 ft gage datum or 852.75 ft above National Geodetic Vertical Datum of 1929 as decreed July 2, 1945, by the Kosciusko County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 12.75 ft gage datum or 852.68 ft above National Geodetic Vertical Datum of 1929.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete notch dam with seven adjustable gates at the head of the outlet channel. North of this dam is another which used to serve as a mill race. This dam has one metal gate.

INLET AND OUTLET.--The Tippecanoe River flows through Webster Lake, entering at the southeast end and leaving at the southwest side. The Tippecanoe River enters James Lake, 2.1 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 15.15 ft Feb. 11, 1984; minimum stage, 9.79 ft (during repair of the dam) Oct. 5, 1962.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.33	13.11	13.27	13.01	13.41	12.44	13.42	13.34	13.25	13.15	13.19	13.14
10	13.36	13.13	13.03	12.88	13.11	12.91	13.31	13.19	13.27	13.21	13.12	13.10
15	13.51	12.99	13.11	12.84	12.56	13.30	13.35	13.44	13.18	13.18	13.13	13.05
20	13.39	13.07	13.43	12.83	12.42	13.11	13.11	13.29	13.24	13.15	13.22	13.13
25	13.23	13.09	13.03	12.43	12.46	13.11	13.03	13.14	13.30	13.12	13.29	13.08
EOM	13.17	13.27	13.00	12.79	12.47	13.23	12.99	13.35	13.13	13.23	13.19	13.09
WTR YR 2002 MEAN 13.11 MAX 13.58 MIN 12.38												

05514770 WHARTON LAKE NEAR SOUTH BEND, IN

LOCATION.--Lat 41°36'11", long 86°18'36", in NW¹/₄SW¹/₄NW¹/₄ sec.4, T.36 N., R.2 E., St. Joseph County, Hydrologic Unit 07120001 (LAKEVILLE, IN quadrangle). The gage is on the east side of the lake, in a channel west of a storage shed at the Calvert Rod and Gun Club property, and 5.7 mi northwest of Lakeville.

SURFACE AREA.--18 acres (measured on U.S. Geological Survey topographic map, scale 1:24000).

DRAINAGE AREA.--1.85 mi².

PERIOD OF RECORD.--1960-76, 1982 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--770.00 ft above National Geodetic Vertical Datum of 1929.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--Not established.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a 48-inch round concrete tile in the outlet channel.

INLET AND OUTLET.--The one inlet enters the lake on the southeastern shore and drains the immediately surrounding area. The outlet flows from the lake on the western shore, and eventually into the Kankakee River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 8.51 ft Jan. 8, 9, 10, 1989; minimum stage, 4.90 ft Oct. 2, 1991.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.25	7.08	7.00	6.88	7.28	7.27	7.40	7.09	7.01	6.24	6.14	---
10	6.19	6.98	6.95	7.00	7.16	7.58	7.42	7.18	6.88	6.20	5.85	---
15	6.97	6.96	7.08	6.95	7.03	7.27	7.20	7.57	6.91	5.95	5.77	---
20	6.97	6.95	7.07	6.85	7.18	7.13	7.19	7.24	6.77	6.07	5.74	---
25	7.07	6.95	6.96	6.92	7.13	7.09	7.16	7.19	6.65	5.96	5.67	---
EOM	6.94	7.11	6.92	7.59	7.11	7.36	7.22	7.01	6.47	6.12	---	---

WABASH RIVER BASIN

03331140 WINONA LAKE AT WARSAW, IN

LOCATION.--Lat 41°13'34", long 85°50'46", in NW¹/₄NE¹/₄SE¹/₄ sec.17, T.32 N., R.6 E., Kosciusko County, Hydrologic Unit 05120106 (WARSAW, IN quadrangle). The gage is on the western side of the lake, 20 ft east of the dam on the northern side of the outlet channel, 1.0 mi south of Warsaw.

SURFACE AREA.--562 acres.

DRAINAGE AREA.--32.1 mi².

PERIOD OF RECORD.--1943-78, 1980 to Oct. 1, 2002 (discontinued).

DATUM OF GAGE.--800.10 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 17, 1977, the datum of the gage was 810.10 ft above NGVD of 1929 as corrected on the basis of levels of Indiana Department of Natural Resources, 1973-74.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to the stilling well.

ESTABLISHED LEGAL LEVEL.--11.06 ft gage datum or 811.06 ft above National Geodetic Vertical Datum of 1929 as decreed on June 17, 1949, by the Kosciusko County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 11.06 ft gage datum or 811.16 ft above National Geodetic Vertical Datum of 1929.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete fixed-crest dam with steel lift gates.

INLET AND OUTLET.--There are three inlets to the lake. Wyland Ditch enters on the eastern shore from Sherburn Lake 6.7 mi upstream. Keefer-Evans Ditch enters on the southeastern shore and Paterson Ditch on the southwestern shore. The outlet, Eagle Creek, flows from the western lobe of the lake into Walnut Creek 1.4 mi downstream, thence into the Tippecanoe River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 13.31 ft June 14, 1981; minimum stage, 9.40 ft Feb. 15, 1982.

LAKE LEVEL, in FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.03	10.07	10.02	9.89	10.30	10.09	10.29	10.88	11.15	10.95	10.95	10.82
10	11.06	9.94	9.94	9.87	10.04	10.35	10.45	11.19	11.16	10.94	10.85	10.80
15	11.48	9.91	10.14	9.87	9.96	10.14	10.33	11.48	11.20	10.87	10.87	10.79
20	11.13	9.89	10.28	9.83	10.03	10.01	10.15	11.09	11.12	10.88	10.97	10.93
25	11.44	9.88	10.05	9.83	10.03	10.00	10.06	10.99	11.06	10.92	10.92	10.86
EOM	10.65	10.07	9.97	10.32	9.97	10.38	10.17	11.23	11.00	11.02	10.85	10.85

WTR YR 2002 MEAN 10.54 MAX 11.63 MIN 9.83

RECORDS AVAILABLE ON LAKES

For many years, records of the water-surface elevations of many of the lakes in Indiana have been collected by the Geological Survey under cooperative agreement with the Indiana Department of Natural Resources. Basic data for a few selected lakes have been published in WSP 1363, entitled "Hydrology of Indiana Lakes." Records which have not been published are available in the files of the District Office of the Geological Survey in Indianapolis, Indiana. In general, the records before 1976 were based on once-daily readings of a staff gage by a local observer and consist of daily, monthly, and yearly mean water-surface elevations. Starting in 1976, water-stage recorders were installed at many stations which had previously been nonrecording gages. Discharge measurements, made at the outflow, are also available in some instances.

The lakes for which records have been collected are listed by downstream order number in the following table. The established level, sometimes referred to as the legal level, is that elevation set by the courts to which the average level of the lake is to be held; it is normally set at about the average level that has prevailed for a number of years prior to the establishment of the level. Surface area and capacity of the lake is that surface area and capacity at the established level. Depth contour maps are only those surveyed by the Water Resources Division of the Geological Survey. The inclusive years that records of stage have been collected at a lake are shown in the last column. If records are still being collected on a current basis, there is no closing date shown.

Lakes in the Ohio River basin for which records are available

Station number	Lake	County	Drain-age (square miles)	Surface area (acres)	Established level*	Capacity (acre-feet)	Contour map available	Records available
LAUGHERY CREEK BASIN								
03276800	Versailles Lake near Versailles	Ripley	168.0	232	-----	-----	-	1957-
BAYOU DRAIN BASIN								
03322300	Hovey Lake near Mount Vernon	Posey	6.36	253	-----	-----	-	1950-69
WABASH RIVER BASIN								
03327550	Everett Lake at Levert	Allen	1.07	43	835.13	650	+	1946-66
03327600	Blue Lake near Churubusco	Whitley	3.58	239	850.28	5,010	+	1946-69, 1976-
03327650	Shriner Lake at Tri-Lakes	Whitley	.94	111	907.04	-----	-	1943-
03327700	Cedar Lake at Tri-Lakes	Whitley	.79	131	901.90	-----	-	1943-49
03327750	Round Lake at Tri-Lakes	Whitley	3.36	125	901.90	-----	-	1943-53
03327800	Wilson Lake near Larwill	Whitley	.46	29	865.39	390	+	1946-52
03327850	Little Wilson Lake near Larwill	Whitley	.52	8	865.39	130	+	1946-52
03328100	Long Lake at Laketon	Wabash	.55	48	751.19	760	+	1946-51, 1959-
03328250	North Little Lake at Silver Lake ^b	Kosciusko	2.89	12	861.73	170	+	1947-
03328350	Silver Lake at Silver Lake	Kosciusko	6.31	102	861.73	1,520	+	1947-
03328400	Lukens Lake near Disko	Wabash	1.76	46	763.60	1,010	+	1948-49, 1959-
03330020	Crooked Lake near Wolflake	Noble	1.51	206	905.69	9,040	+	1943-53
03330040	Big Lake near Wolflake	Noble	8.89	228	898.18	5,630	+	1943-75, 1976-
03330060	Goose Lake near Lorane	Whitley	1.51	84	910.96	2,180	+	1945-53
03330080	Loon Lake at Ormas	Whitley	11.1	222	895.14	5,730	+	1943-66
03330100	New Lake near Etna	Whitley	.29	50	903.91	880	+	1945-53
03330120	Old Lake near Etna	Whitley	2.81	32	898.07	620	+	1949-66
03330140	Smalley Lake near Washington Center	Noble	27.1	69	-----	1,520	+	1943-
03330160	Gilbert Lake near Washington Center	Noble	.37	28	-----	490	+	1954-
03330180	Horseshoe Lake near Washington Center	Noble	1.62	18	901.80	250	+	1945-66
03330200	Baughner Lake near Washington Center	Noble	31.0	32	878.52	390	+	1945-51
03330220	Wilmot Pond at Wilmot	Noble	35.2	10	-----	-----	-	1945-51
03330240	Webster Lake at North Webster	Kosciusko	49.2	774	852.75	7,170	+	1943-
03330243	James Lake at Oswego ^c	Kosciusko	55.9	282	836.40	7,580	+	1943-
03330260	Robinson Lake near Pierceton	Kosciusko	7.15	59	851.09	1,170	+	1946-51
03330280	Troy Cedar Lake near Lorane	Whitley	5.33	93	905.41	2,540	+	1945-52
03330300	Ridinger Lake near Pierceton	Kosciusko	34.6	136	843.12	2,900	+	1943-
03330320	Kuhn Lake near North Webster ^d	Kosciusko	3.85	137	837.50	1,290	+	1945-
03330340	Big Barbee Lake near North Webster ^d	Kosciusko	44.7	304	837.50	5,640	+	1945-49
03330360	Little Barbee Lake near North Webster ^d	Kosciusko	49.0	74	837.50	960	+	1945-49
03330380	Shoe Lake near Oswego	Kosciusko	.34	40	841.57	-----	-	1946-53, 1972,74, 1976-
03330400	Banning Lake near North Webster ^d	Kosciusko	.48	12	837.50	110	+	1945-
03330420	Irish Lake near North Webster ^d	Kosciusko	50.9	182	837.50	2,330	+	1945-
03330440	Sechrist Lake near North Webster ^d	Kosciusko	.58	105	837.50	2,490	+	1945-
03330460	Sawmill Lake near North Webster	Kosciusko	51.8	36	837.50	370	+	1945-
03330480	Tippecanoe Lake at Oswego	Kosciusko	113	768	836.40	28,380	+	1943-
03330495	Oswego Lake at Oswego ^c	Kosciusko	113	83	836.40	780	+	1943-
03331010	Big Chapman Lake near Warsaw ²	Kosciusko	4.17	581	827.75	6,080	+	1945-72, 1976-
03331020	Little Chapman Lake near Warsaw ^e	Kosciusko	7.13	77	827.75	1,990	+	1945-72, 1976-
03331040	Pike Lake at Warsaw	Kosciusko	41.5	203	805.64	2,830	+	1954-
03331060	Fish Lake near Warsaw	Kosciusko	4.93	15	845.52	-----	-	1951-66
03331080	Muskellunge Lake near Warsaw	Kosciusko	11.8	32	842.67	300	+	1943-53, 1959-71
03331100	Carr Lake near Claypool	Kosciusko	2.27	79	848.88	1,340	+	1947-53
03331120	Sherburn Lake near Pierceton ³	Kosciusko	5.51	15	881.00	230	+	1954-
03331140	Winona Lake at Warsaw	Kosciusko	32.1	562	811.06	16,680	+	1943-

RECORDS AVAILABLE ON LAKES--Continued

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Lakes in the Ohio River basin for which records are available--Continued

Station number	Lake	County	Drain- age (square miles)	Surface area (acres)	Estab- lished level*	Capac- ity (acre- feet)	Contour map avail- able	Records avail- able
WABASH RIVER BASIN--Continued								
03331160	Center Lake at Warsaw	Kosciusko	0.73	120	803.86	2,060	+	1945-
03331180	Palestine Lake at Palestine	Kosciusko	32.4	290	-----	1,170	+	1954-
03331200	Crystal Lake near Atwood	Kosciusko	.45	76	789.69	930	+	1945-51
03331220	Hoffman Lake at Atwood	Kosciusko	8.07	180	785.85	3,160	+	1945-53
03331240	Beaver Dam Lake near Silver Lake	Kosciusko	2.83	146	868.95	3,280	+	1947-53
03331260	Loon Lake near Silver Lake	Kosciusko	3.59	40	865.74	670	+	1947-53
03331280	McClures Lake near Silver Lake	Kosciusko	1.29	32	865.85	410	+	1945-52
03331300	Hill Lake near Silver Lake	Kosciusko	.85	67	871.50	1,300	+	1952-
03331320	Diamond Lake near Silver Lake	Kosciusko	3.92	79	-----	1,280	+	1954-
03331340	Yellow Creek Lake near Silver Lake	Kosciusko	11.1	151	860.50	4,730	+	1945-53
03331360	Rock Lake near Akron	Kosciusko	2.74	56	847.29	360	+	1946-66
03331370	Town Lake near Akron	Fulton	2.77	23	-----	220	+	1949-50
03331380	Lake Manitou at Rochester	Fulton	44.2	1,158	778.41	10,165	+	1943-
03331390	Zink Lake near Rochester	Fulton	1.11	19	810.68	-----	-	1952-55
03331400	Nyona Lake near Greenoak	Fulton	7.59	104	793.91	1,340	+	1946-
03331420	South Mud Lake near Fulton	Fulton	4.53	94	793.42	1,020	+	1946-66
03331438	King Lake near Delong	Fulton	1.98	18	-----	180	+	1971-
03331440	Lake Maxinkuckee at Culver ⁹	Marshall	13.7	1,864	733.12	45,600	+	1943-
03331460	Lost Lake near Culver ⁴	Marshall	14.2	40	732.00	-----	-	1954-
03331480	Langenbaum Lake near Monterey	Starke	.72	48	717.96	260	+	1954-66
03331700	Bruce Lake at Bruce Lake	Pulaski	6.38	245	723.69	1,790	+	1943-53
03332200	Fletcher Lake at Fletcher	Fulton	.67	45	783.20	880	+	1946-53
03370900	Starve Hollow Lake near Vallonia	Jackson	6.67	145	-----	980	+	1946-61
03371700	Ogle Lake near Nashville	Brown	1.03	20	-----	250	+	1963-71
								1954-

Lakes in the St. Lawrence River basin for which records are available

STREAMS TRIBUTARY TO LAKE MICHIGAN

04092500	Wolf Lake at Hammond ⁵	Lake	5.72	999	-----	-----	-	1946-49
04092990	Lake George at Hobart	Lake	124	282	602.23	-----	-	1946-
04097520	Lake Pleasant near Nevada Mills	Steuben	3.18	24	961.50	3,490	+	1954-69, 1971, 1976-
04097550	Lake George at Jamestown	Steuben	^a 14.7	488	985.28	-----	-	1946-
04097596	Marsh Lake near Fremont	Steuben	14.9	-----	-----	-----	-	1967-69
04097600	Little Otter Lake near Fremont	Steuben	15.7	34	965.18	740	+	1946-53
04097640	Big Otter Lake near Fremont	Steuben	21.3	69	965.18	1,780	+	1946-53
04097650	Snow Lake at Lake James	Steuben	^a 40.2	310	964.96	7,998	+	1943-49
04097660	Lake James at Lake James	Steuben	^a 47.8	1,034	964.96	33,585	+	1943-49
04097680	Jimmerson Lake at Nevada Mills ⁶	Steuben	^a 51.6	434	964.66	4,394	+	1946-
04097780	Loon Lake near Angola	Steuben	2.13	138	1,011.98	630	+	1954-66
04097850	Crooked Lake at Crooked Lake	Steuben	10.4	828	988.17	10,555	+	1946-
04097950	Lake Gage at Panama	Steuben	^a 17.3	332	954.25	10,140	+	1946-
04097960	Lime Lake at Panama ^f	Steuben	^a 17.5	57	954.25	427	+	1946-
04098100	Wall Lake near Orland	Lagrange	1.61	141	942.25	1,640	+	1953-54
04098110	Mud Lake near Orland	Steuben	1.85	25	939.01	-----	-	1956-67
04098300	Cedar Lake near Ontario	Lagrange	1.60	120	871.90	1,020	+	1948-51
04099050	Pigeon Lake near Angola	Steuben	^a 35.2	61	988.24	930	+	1954-63
04099100	Fox Lake near Angola	Steuben	^a 1.25	142	1,018.83	3,150	+	1946-53
04099190	Pleasant Lake at Pleasant Lake	Steuben	^a 1.12	53	963.52	1,190	+	1946-66
04099200	Long Lake at Moonlight	Steuben	^a 67.9	92	-----	1,540	+	1946-
04099250	Bower Lake near Pleasant Lake	Steuben	^a 84.6	25	948.50	280	+	1946-71, 1976-
04099260	Golden Lake near Pleasant Lake ^g	Steuben	^a 88.8	119	948.50	1,810	+	1946-71, 1976-
04099400	Silver Lake near Angola	Steuben	^a 3.79	238	959.40	2,540	+	1945-53
04099430	Bass Lake near Angola	Steuben	^a .39	61	979.68	450	+	1954-66
04099440	Howard Lake near Angola	Steuben	^a 3.90	27	977.34	130	+	1954-63
04099500	Hogback Lake near Angola	Steuben	^a 103	146	948.50	1,450	+	1946-
04099520	Otter Lake near Flint	Steuben	^a 6.91	118	934.15	1,960	+	1954-66
04099540	Story Lake near Hudson	DeKalb	3.16	77	942.20	1,020	+	1946, 1954-66
04099560	Big Turkey Lake at Stroh	Lagrange	35.8	450	926.61	7,300	+	1945-66
04099575	McClish Lake near Helmer ^h	Lagrange	1.28	35	951.09	1,210	+	1951-74, 1976-
04099580	Lake of the Woods near Helmer	Lagrange	5.25	136	951.09	5,470	+	1951-74, 1976-
04099600	Big Long Lake near Stroh	Lagrange	4.77	388	956.2	-----	-	1954-
04099620	Pretty Lake near Stroh	Lagrange	2.89	184	965.50	4,720	+	1949-53, 1963-65
04099640	Little Turkey Lake at Elmira	Lagrange	56.5	135	925.72	1,550	+	1945-66
04099660	Royer Lake near Plato ⁱ	Lagrange	4.69	69	936.50	1,630	+	1952-66
04099670	Fish Lake near Plato	Lagrange	^a 10.6	100	936.50	4,050	+	1945-
04099700	North Twin Lake near Howe	Lagrange	1.54	135	843.56	2,120	+	1953-
04099710	South Twin Lake near Howe ^j	Lagrange	2.22	116	843.56	3,600	+	1953-70

RECORDS AVAILABLE ON LAKES--Continued

Lakes in the St. Lawrence River basin for which records are available

Station Number	Lake	County	Drain- age (square miles)	Surface area (acres)	Estab- lished level*	Capac- ity (acre- feet)	Contour map avail- able	Records avail- able
STREAMS TRIBUTARY TO LAKE MICHIGAN--Continued								
04099740	Sheepshank Lake near Sheepshank	Lagrange	^a 6.74	202	852.04	1,350	+	1951-
04099760	Fish Lake near Scott	Lagrange	^a 6.21	139	814.42	2,560	+	1954-73, 1976-
04099780	Stone Lake near Scott	Lagrange	1.51	152	818.76	2,060	+	1954-73, 1976-
04099800	Emma Lake near Emma	Lagrange	13.6	42	880.87	700	+	1954-66
04099810	Cases Lake near Sheepshank	Lagrange	.68	89	-----	873	+	1970-
04099820	Hunter Lake near Middlebrow	Elkhart	.51	99	856.90	1,120	+	1946-53
04099840	Wolf Lake near Gashing	Elkhart	^a 1.29	100	813.00	-----	-	1947-57
04099860	Heating Lake near Elkhart	Elkhart	9.33	87	767.30	640	+	1946-53, 1969-74, 1976-
04099880	Simonton Lake near Elkhart	Elkhart	7.44	303	772.19	1,560	+	1946-
04099950	Indiana Lake near Bristol	Elkhart	.62	122	759.73	3,400	+	1946-53
04100010	Cree Lake near Kendallville	Noble	4.85	58	945.23	910	+	1949-66
04100020	Blackman Lake near Wolcottville	Lagrange	.98	67	974.20	1,210	+	1953-59
04100030	Adams Lake near Wolcottville	Lagrange	5.62	308	953.59	7,690	+	1946-
04100040	Atwood Lake near Wolcottville	Lagrange	1.23	170	899.99	1,560	+	1948-53
04100050	Witmer Lake near Wolcottville ^k	Lagrange	36.1	204	897.36	7,040	+	1945-
04100060	Westler Lake near Wolcottville ^k	Lagrange	37.8	88	897.36	1,770	+	1945-
04100070	Dallas Lake near Wolcottville ^k	Lagrange	39.8	283	897.36	9,970	+	1945-
04100080	Martin Lake near Valentine ^m	Lagrange	4.93	26	899.45	890	+	1945-
04100090	Olin Lake near Valentine ^m	Lagrange	5.81	103	899.45	9,180	+	1945-
04100100	Oliver Lake near Valentine	Lagrange	11.1	362	899.45	15,358	+	1945-
04100110	Hackenburg Lake near Wolcottville	Lagrange	55.4	42	897.36	510	+	1945-
04100120	Messick Lake near Wolcottville ^k	Lagrange	56.4	68	897.36	1,450	+	1945-
04100130	Jones Lake near Cosperville ^{i, n}	Noble	70.3	114	885.55	960	+	1948-
04100140	Bixler Lake at Kendallville	Noble	5.28	120	963.65	2,090	+	1945-
04100150	Round Lake at Kendallville ^o	Noble	3.47	99	954.50	2,140	+	1954-
04100160	Little Long Lake at Kendallville	Noble	4.55	71	954.50	1,750	+	1954-
04100170	Latta Lake near Rome City	Noble	2.52	42	918.71	900	+	1954-66
04100180	Sylvan Lake at Rome City	Noble	33.8	669	916.20	5,986	+	1943-
04100190	Sacarider Lake near Kendallville	Noble	1.43	33	-----	740	+	1954-63
04100200	Tamarack Lake near Cosperville ⁿ	Noble	15.9	50	885.55	880	+	1948-
04100210	Steinbarger Lake near Cosperville ⁿ	Noble	24.3	73	885.55	1,590	+	1948-
04100220	Waldron Lake near Cosperville	Noble	134	216	885.55	3,120	+	1948-
04100230	Long Lake near Burr Oak	Noble	12.0	40	895.82	630	+	1954-71
04100240	Sand Lake near Burr Oak	Noble	14.9	47	893.56	1,270	+	1946-51
04100250	Rivir Lake near Burr Oak	Noble	18.6	24	-----	380	+	1954-65
04100258	High Lake near Wolflake	Noble	4.43	123	896.35	1,240	+	1961-
04100260	Bear Lake near Wolflake	Noble	6.98	136	894.60	3,030	+	1943-
04100280	Muncie Lake near Burr Oak	Noble	42.8	47	-----	580	+	1954-
04100290	Silver Lake near Wolflake	Noble	.28	34	-----	220	+	1953-63
04100300	Skinner Lake near Albion	Noble	14.0	125	927.74	1,750	+	1945-72, 1977-
04100310	Pleasant Lake near Wolflake	Noble	.29	20	-----	540	+	1952-53
04100320	Upper Long Lake near Wolflake	Noble	2.08	86	891.19	1,900	+	1956-
04100330	Lower Long Lake near Albion	Noble	4.35	66	889.81	1,560	+	1946-52
04100340	Eagle Lake near Kimmel	Noble	3.22	81	-----	1,050	+	1946-48
04100350	Diamond Lake near Wawaka	Noble	4.80	105	-----	2,580	+	1946-
04100360	Sparta Lake at Kimmel	Noble	.69	31	888.50	170	+	1946-51
04100370	Engle Lake near Ligonier	Noble	^a 4.19	48	878.90	670	+	1956-71, 1977-
04100380	Harper Lake near Washington Center ^p	Noble	2.76	11	878.25	160	+	1946-
04100390	Knapp Lake near Washington Center	Noble	6.02	88	878.25	3,040	+	1946-
04100400	Moss Lake near Washington Center ^p	Noble	6.12	9	878.25	80	+	1946-
04100410	Hindman Lake near Washington Center ^p	Noble	8.66	13	878.25	140	+	1946-
04100420	Gordy Lake near Cromwell	Noble	9.40	31	876.68	680	+	1953-66
04100425	Rider Lake near Cromwell	Noble	10.9	5	876.68	30	+	1953-66
04100430	Duely Lake near Cromwell ⁸	Noble	11.2	21	876.68	180	+	1953-66
04100440	Village Lake near Cromwell	Noble	12.0	12	876.68	160	+	1953-66
04100446	Flatbelly Lake near Syracuse	Kosciusko	4.66	326	-----	-----	-	1964-67
04100448	Papakeeche Lake near Syracuse	Kosciusko	5.52	300	-----	-----	-	1964-67
04100450	Wawasee Lake at Wawasee	Kosciusko	36.9	3,060	858.89	67,210	+	1943-66
04100460	Syracuse Lake at Syracuse	Kosciusko	38.2	414	858.87	5,360	+	1943-
04100470	Dewart Lake near Leesburg	Kosciusko	^a 8.05	551	867.70	9,000	+	1945-
04100480	Wabee Lake near Milford	Kosciusko	^a 14.6	187	829.79	4,750	+	1946-53
STREAMS TRIBUTARY TO LAKE ERIE								
04177200	Clear Lake at Clear Lake	Steuben	6.86	800	1,037.38	24,990	+	1943-
04177210	Round Lake at Clear Lake ^q	Steuben	7.25	30	1,037.38	340	+	1943-
04177300	Long Lake near Ray	Steuben	2.80	154	-----	1,840	+	1961-63
04177680	Ball Lake near Hamilton	Steuben	11.6	87	894.76	3,520	+	1961-
04177700	Hamilton Lake at Hamilton	Steuben	16.5	802	898.83	16,600	+	1943-
04179200	Indian Lake near Corunna	DeKalb	3.76	56	-----	1,220	+	1957
04179300	Cedar lake near Waterloo	DeKalb	23.4	28	896.76	230	+	1943-56

RECORDS AVAILABLE ON LAKES--Continued

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Lakes in the Upper Mississippi River basin for which records are available--Continued

Station Number	Lake	County	Drainage (square miles)	Surface area (acres)	Established level*	Capacity (acre-feet)	Contour map available	Records available
ILLINOIS RIVER BASIN								
05514740	Saugany Lake near Rolling Prairie	LaPorte	^a 2.34	74	781.21	2,190	+	1946-50
05514741	Hudson Lake at Hudson Lake	LaPorte	7.92	432	763.09	5,060	+	1946-76 1978-95
05514750	North Chain Lake at Lydick	St. Joseph	^a 3.89	88	721.17	1,400	+	1946-53
05514760	South Chain Lake at Westfield	St. Joseph	^a 6.32	90	717.04	270	-	1946-53
05514770	Wharton Lake near South Bend	St. Joseph	^a 1.85	-----	-----	-----	-	1960-
05514900	Silver Lake near Rolling Prairie	LaPorte	1.72	54	795.20	-----	-	1946-66
05515200	Upper Fish Lake near Stillwell	LaPorte	^a 9.65	139	688.22	1,040	+	1946-53
05515210	Lower Fish Lake near Stillwell	LaPorte	^a 10.4	134	688.22	870	+	1946-53
05515220	Pine Lake at LaPorte	LaPorte	^a 10.7	564	796.20	-----	-	1946-75 1980-
05515230	Stone Lake at LaPorte ^u	LaPorte	^a 10.7	140	796.20	-----	-	1946-75 1980-
05515240	Clear Lake at LaPorte	LaPorte	.65	106	798.20	760	+	1942-49, 1952-75 1980-
05515600	Koontz Lake at Koontz Lake	Starke	^a 6.25	346	714.56	3,170	+	1943-
05515800	Riddles Lake near Lakeville	St. Joseph	^a 11.7	77	817.50	640	+	1946-73, 1976-
05516200	Lake of the Woods near Bremen	Marshall	^a 9.45	416	803.85	6,810	+	1945-
05516600	Pretty Lake near Plymouth	Marshall	.85	97	787.36	2,140	+	1954-66 1989-00
05516700	Myers Lake near Twin Lakes	Marshall	1.41	96	768.69	2,000	+	1945-53
05516800	Mill Pond and Kreighbaum Lake near Twin Lakes	Marshall	^a 5.34	168	767.75	1,020	+	1945-53
05516900	Eagle Lake near Ober	Starke	^a 25.5	24	713.25	160	+	1946-53
05517100	Skitz Lake near Knox	Starke	-----	1,000	-----	-----	-	1949-53
05517200	Bass Lake at Bass Lake	Starke	5.18	1,400	713.65	-----	-	1943-
05517600	Wauhob Lake near Valparaiso	Porter	.40	21	-----	-----	-	1946-
05517650	Long Lake near Valparaiso	Porter	1.31	65	797.66	520	+	1947-52
05517670	Spectacle Lake near Valparaiso	Porter	.53	62	812.82	540	+	1946-53
05517700	Flint Lake near Valparaiso	Porter	2.62	86	797.66	-----	-	1946-
05517800	Lake Eliza near Beatrice	Porter	1.70	45	738.70	-----	-	1954-74, 1976-
05518700	Cedar Lake at Cedar Lake	Lake	8.14	781	-----	6,750	+	1943-
05518800	Dalecarlia Lake near Creston	Lake	20.1	193	-----	-----	-	1947-52
05521300	Ringneck Lake near Medaryville	Jasper	1.94	1,400	-----	-----	-	1949-55
05525700	J.C. Murphy Lake near Morocco	Newton	13.0	1,515	-----	-----	-	1952-61

+ Depth contour maps available for sale by Indiana Department of Natural Resources, State Office Building, Indianapolis, Indiana.

* Elevation, in feet, above mean sea level.

¹ Formerly published as Rider Lake at Wilmot.

² Formerly published as Chapman Lake near Warsaw.

³ Formerly published as Johnson Lake near Pierceton.

⁴ Formerly published as Hawks Lake near Culver.

⁵ Same as Wolf Lake at Chicago, Illinois WRD District.

⁶ Formerly published as Jimerson Lake at Nevada Mills.

⁷ Formerly published as Sanford Lake near Cosperville.

⁸ Formerly published as Duley Lake near Cromwell, and Druely Lake near Cromwell, and Druley Lake near Cromwell.

⁹ Formerly published as Maxinkuckee Lake at Culver

^a Contains drainage area (5 percent or greater) that does not contribute directly to surface-water runoff.

^b Has same control structure and level records as Silver Lake at Silver Lake.

^c Has same control structure and level records as Tippecanoe Lake at Oswego.

^d Has same control structure and level records as Sawmill Lake near North Webster.

^e Has same control structure and level records as Big Chapman Lake near Warsaw.

^f Has same control structure and level records as Lake Gage at Panama.

^g Has same control structure and level records as Bower Lake near Pleasant Lake.

^h Has same control structure and level records as Lake of The Woods near Helmer.

ⁱ Has same control structure and level records as Fish Lake near Plato.

^j Has same control structure and level records as North Twin Lake near Howe.

^k Has same control structure and level records as Hackenburgh Lake near Wolcottville.

^m Has same control structure and level records as Oliver Lake near Valentine.

ⁿ Has same control structure and level records as Waldron Lake near Cosperville.

^o Has same control structure and level records as Little Long Lake at Kendallville.

^p Has same control structure and level records as Knapp Lake near Washington Center.

^q Has same control structure and level records as Clear Lake at Clear Lake.

^u Has same control structure and level records as Pine Lake at Laporte.

OTHER LAKE MAPS AVAILABLE

The lakes in Indiana which are not included in the cooperative stabilization program but which have been mapped for recreational purposes are shown in the following table. Surface area and capacities are related to reference mean sea level elevation at time of mapping. Additional data is shown on map, which are available for sale by the Indiana Department of Natural Resources, State Office Building, Indianapolis, Indiana.

Lake	County	Surface area (acres)	Capacity (acre-feet)	Lake	County	Surface area (acres)	Capacity (acre-feet)
OHIO RIVER BASIN							
Barr Lake	Fulton	22	470	Lake 16	Fulton	27	220
Bischoff Reservoir	Ripley	200	1,920	Larwill Lake	Whitley	9	170
Black Lake	Whitley	24	400	Lenape Lake	Greene	36	330
Bowen Lake	Scott	7	60	Lincoln Park Lake	Spencer	58	520
Brown Lake	Whitley	23	580	Little Pike Lake	Kosciusko	25	140
Caldwell Lake	Kosciusko	45	800	McColley Lake	Wabash	28	410
Crane Lake	Noble	28	360	Round Lake	Wabash	48	540
Crosley Lake	Jennings	14	130	Scales Lake	Warrick	66	520
Ferdinand Lake	Dubois	42	440	Schlam Lake	Clark	19	170
Franke Lake	Clark	9	70	Sellers Lake	Kosciusko	32	340
Hartz Lake	Starke	28	370	Shakamak Lake	Sullivan	56	610
Kunkel Lake	Wells	25	150	Twin Lakes	Wabash	18	190
Lake Freeman	Carroll	1,547	26,000	Whitewater Lake	Union	199	3,650
Lake Shafer	White	1,291	13,120	Yellowwood Lake	Brown	133	1,890

STREAMS TRIBUTARY TO LAKE MICHIGAN

Appleman Lake	Lagrange	52	590	Mateer Lake	Lagrange	18	150
Bartley Lake	Noble	34	430	Miller Lake	Noble	11	160
Barton Lake	Steuben	94	1,340	Millers Lake	Noble	28	410
Bell Lake	Steuben	38	510	Mud Lake	Noble	8	70
Boner Lake	Kosciusko	40	370	Norman Lake	Noble	14	280
Bowen Lake	Noble	30	1,080	Pigeon Lake	Lagrange	61	1,160
Bristol Lake	Noble	27	740	Port Mitchell Lake	Noble	15	180
Buck Lake	Lagrange	18	150	Rainbow Lake	Lagrange	16	250
Center Lake	Steuben	46	390	Schockopee Lake	Noble	21	280
Cline Lake	Lagrange	20	350	Shock Lake	Kosciusko	37	1,210
Deer Lake	Noble	36	420	Smith Hole	Lagrange	2	10
Dock Lake	Noble	16	230	Still Lake	Lagrange	30	620
Eve Lake	Lagrange	31	670	Sweet Lake	Noble	16	210
Fish Lake	Steuben	59	750	Tamarack Lake	Noble	84	1,340
Hog Lake	LaPorte	59	690	Walters Lake	Steuben	53	550
Hog Lake	Steuben	48	570	Weir Lake	Lagrange	6	70
Lime Lake	Steuben	30	330	Wible Lake	Noble	49	650
Little Turkey Lake	Steuben	58	780	Williams Lake	Noble	46	1,070
Marl Lake	Noble	30	510	Wyland Lake	Kosciusko	6	100

STREAMS TRIBUTARY TO LAKE ERIE

Dunton Lake	DeKalb	21	340	Mirror Lake	Steuben	9	120
Handy Lake	Steuben	16	290	Terry Lake	DeKalb	17	160
Lake Anne	Steuben	17	280				

UPPER MISSISSIPPI RIVER BASIN

Cook Lake	Marshall	93	1,650	Gilbert Lake	Marshall	37	490
Dixon Lake	Marshall	33	480	Holem Lake	Marshall	40	390
Flat Lake	Marshall	26	210	Lawrence Lake	Marshall	69	1,580